



ハイトレル (R) のグレードと物性  
Product line and Properties of Hytel (R)

基本グレード  
Basic Grade

| 項目<br>Property  | 測定条件<br>Notes                           | 試験方法<br>Method       | 単位<br>Units | 射出<br>For Injection |                      |                      |                      |                      |                      |                      |                      |                      | 押出<br>For Extrusion  |                      |                      |                      |                      |                      |
|-----------------|-----------------------------------------|----------------------|-------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                 |                                         |                      |             | 3046                | G3548L               | 4047                 | 4767                 | 5557                 | 6347                 | 7247                 | 2571                 | 2751                 | 4777*2               | 5077*2               | 5577*2               | 6377*2               | 7277*2               |                      |
| 物理的性質           | 比重<br>Specific Gravity                  |                      | D792        |                     | 1.07                 | 1.15                 | 1.12                 | 1.15                 | 1.19                 | 1.24                 | 1.26                 | 1.28                 | 1.27                 | 1.15                 | 1.17                 | 1.19                 | 1.24                 | 1.26                 |
|                 | 吸水率<br>Water Absorption                 | 23°C, 24H            | D570        | %                   | 0.7                  | 3.6                  | 0.8                  | 0.7                  | 0.4                  | 0.4                  | 0.3                  | 0.2                  | 0.2                  | 0.7                  | 0.6                  | 0.4                  | 0.4                  | 0.3                  |
| 熱               | 融点<br>Melting Point                     |                      | DSC         | °C                  | 160                  | 154                  | 182                  | 199                  | 208                  | 215                  | 219                  | 225                  | 227                  | 200                  | 202                  | 208                  | 217                  | 219                  |
|                 | 結晶化温度<br>Crystallization Temperature    |                      | DSC         | °C                  | 130                  | 117                  | 157                  | 155                  | 163                  | 171                  | 176                  | 190                  | 192                  | 157                  | 157                  | 157                  | 167                  | 188                  |
| 的               | ビカ软化点<br>Vicat Softening Point          | A法                   | K7206       | °C                  | 74                   | 74                   | 127                  | 160                  | 188                  | 201                  | 208                  | 175                  | 204                  | 166                  | 179                  | 192                  | 208                  | 210                  |
|                 | 荷重たわみ温度<br>Deflection Temp Under Load   | 0.45MPa              | D648        | °C                  | 41                   | 47                   | 65                   | 80                   | 109                  | 136                  | 150                  | 117                  | 134                  | 69                   | 80                   | 100                  | 133                  | 140                  |
| 性               | ガラス転移温度<br>Glass Transition Temperature |                      | DSC         | °C                  | -69                  | -39                  | -40                  | -35                  | -20                  | 3                    | 12                   | 60                   | 67                   | -35                  | -35                  | -20                  | 3                    | 12                   |
|                 | 脆化温度<br>Brittleness Point               |                      | K6261       | °C                  | <-65                 | <-65                 | <-65                 | <-65                 | <-65                 | <-65                 | <-65                 | -55                  | -65                  | <-65                 | <-65                 | <-65                 | <-65                 | <-65                 |
| 質               | 燃焼性<br>Flammability                     |                      | UL94        |                     | HB相当<br>HB Equiv.    | HB                   | HB                   | HB                   | HB                   | HB                   | HB                   | HB                   | HB相当<br>HB Equiv.    | HB相当<br>HB Equiv.    | HB相当<br>HB Equiv.    | HB相当<br>HB Equiv.    | HB相当<br>HB Equiv.    | HB相当<br>HB Equiv.    |
|                 | 表面硬さ<br>Hardness                        | デュロメーター<br>Durometer | K7215       | Dスケール<br>D Scale    | 27                   | 30                   | 40                   | 47                   | 55                   | 63                   | 72                   | 72                   | 75                   | 47                   | 50                   | 53                   | 63                   | 72                   |
| 機械              | 引張降伏強さ<br>Tensile Yield Strength        |                      | K7113       | MPa                 | 3.7                  | 6.1                  | 7.8                  | 10.3                 | 14.2                 | 22.6                 | 27.5                 | 30.4                 | 34.3                 | 9.8                  | 15.9                 | 13.2                 | 19.6                 | 24.5                 |
|                 | 降伏伸び<br>Yield Elongation                |                      | K7113       | %                   | (50)                 | (50)                 | (50)                 | (50)                 | 28                   | 25                   | 20                   | 18                   | 15                   | (50)                 | (50)                 | (50)                 | 25                   | 22                   |
| 的               | 破断強さ<br>Tensile Strength                |                      | K7113       | MPa                 | 23.4                 | 11.3                 | 18.9                 | 21.6                 | 31.4                 | 32.9                 | 36.3                 | 28.4                 | 34.3                 | 21.6                 | 32.9                 | 52.0                 | 54.9                 | 59.8                 |
|                 | 破断伸び<br>Tensile Elongation              |                      | K7113       | %                   | 1070                 | 234                  | 610                  | 550                  | 390                  | 310                  | 260                  | 310                  | 320                  | >800                 | 335                  | 800                  | 640                  | 595                  |
| 性               | 10%引張強さ<br>10% Tensile Modulus          |                      | K7113       | MPa                 | 1.8                  | 2.0                  | 3.8                  | 5.3                  | 9.7                  | 17.3                 | 22.6                 | 26.5                 | 31.4                 | 4.7                  | 7.1                  | 8.9                  | 17.6                 | 23.0                 |
|                 | 引張弾性率<br>Tensile Modulus                |                      | K7113       | MPa                 | 19.4                 | 21.3                 | 45.1                 | 88.3                 | 137                  | 274                  | 422                  | 863                  | 902                  | 56.9                 | 83.9                 | 115                  | 174                  | 232                  |
| 質               | 曲げ強さ<br>Flexural Strength               |                      | D790        | MPa                 | 1.7                  | 1.7                  | 4.4                  | 6.4                  | 12.3                 | 19.1                 | 25.0                 | 37.3                 | 45.1                 | 5.6                  | 6.7                  | 10.5                 | 16.5                 | 20.8                 |
|                 | 曲げ弾性率<br>Flexural Modulus               |                      | D790        | MPa                 | 23.5                 | 24.0                 | 70.6                 | 108                  | 210                  | 388                  | 593                  | 931                  | 1250                 | 94.1                 | 152                  | 201                  | 353                  | 539                  |
| 性               | 圧縮弾性率<br>Compression Modulus            |                      | D575        | MPa                 | 24.5                 | 31.4                 | 57.9                 | 88.3                 | 177                  | 240                  | 323                  | 612                  | 678                  | 93.9                 | 124                  | 196                  | 315                  | 410                  |
|                 | 反撥弾性率<br>Resilience                     |                      | BS903       | %                   | 75                   | 72                   | 68                   | 60                   | 50                   | 45                   | 40                   | 35                   | 42                   | 60                   | 60                   | 55                   | 50                   | 45                   |
| 質               | アイソット衝撃強さ<br>Izod Impact(Notched)       | 23°C                 | D256        | J/m/ツチ              | NB                   | NB                   | NB                   | NB                   | NB                   | 235                  | 167                  | 98.1                 | 98.1                 | NB                   | NB                   | NB                   | NB                   | 225                  |
|                 |                                         | -20°C                | D256        | J/m/ツチ              | NB                   | NB                   | NB                   | NB                   | NB                   | 127                  | 98.1                 | 29.4                 | 88.3                 | NB                   | NB                   | NB                   | 127                  | 39.2                 |
| 質               | 引裂強さ(2mmt)<br>Tear Strength(2mmt)       | ダイC                  | D624        | KN/m                | 65                   | 50                   | 92                   | 106                  | 225                  | 228                  | 245                  | 229                  | 236                  | 108                  | 216                  | 127                  | 152                  | 171                  |
|                 | テーパー摩耗量(CS17)<br>Taber Abrasion(CS17)   | 1Kg, 1000回           | K7204       | mg                  |                      | 30                   | 12                   | 15                   | 18                   | 19                   | 16                   | 17                   | 14                   | 10                   | 10                   | 19                   | 20                   | 21                   |
| 体積抵抗            | Volume Resistivity                      | 23°C, 51%RH          | D257        | Ω・cm                | 4.6×10 <sup>12</sup> | 1.1×10 <sup>11</sup> | 1.8×10 <sup>12</sup> | 5.1×10 <sup>12</sup> | 2.3×10 <sup>13</sup> | 1.2×10 <sup>14</sup> | 6.5×10 <sup>14</sup> | 5.5×10 <sup>15</sup> | 1.7×10 <sup>15</sup> | 1.4×10 <sup>13</sup> | 1.6×10 <sup>13</sup> | 1.4×10 <sup>13</sup> | 6.4×10 <sup>13</sup> | 6.8×10 <sup>13</sup> |
| 成形収縮率*1         | Mold Shrinkage                          |                      |             | %                   | 1.0~1.2              | 1.0~1.2              | 1.2~1.5              | 1.2~1.5              | 1.4~1.7              | 1.4~1.7              | 1.4~1.7              | 1.2~1.5              | 1.2~1.5              | 1.2~1.5              | 1.2~1.5              | 1.4~1.7              | 1.4~1.7              | 1.4~1.7              |
| メルトフローレート(測定温度) | Melt Index(measurement temp)            | 2160g                | D1238       | g/10分<br>g/10min    | 10(190)              | 10(190)              | 8(200)               | 18(220)              | 8(230)               | 13(240)              | 14(240)              | 18(250)              | 52(250)              | 1.5(220)             | 1.6(230)             | 1.8(230)             | 1.5(240)             | 1.5(240)             |

\*1 JIS2号試験片長さ方向測定値

JIS No.2 tensile test specimen is measured at molding direction

\*2 試験片はプレスシート

Specimens pressed sheet



ハイトレル (R) のグレードと物性  
Product line and Properties of Hytrel (R)

機能グレード  
Functional Grade

| 項目<br>Property                                  | 測定条件<br>Notes                           | 試験方法<br>Method   | 単位<br>Units          | ブロー<br>For Blow Molding |                   |                   |                      | ハイサイクル<br>Efficient Molding Cycle |                      |                      | 柔軟<br>Soft           |                      |                      | ガラス強化<br>Glass Reinforced |                      |                      |                      |                      |         |
|-------------------------------------------------|-----------------------------------------|------------------|----------------------|-------------------------|-------------------|-------------------|----------------------|-----------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|---------|
|                                                 |                                         |                  |                      | 2474B                   | 4797B             | 5612JB            | 4275JB               | 5557M                             | 6347M                | 7247M                | SB654                | SB704                | SB754                | 5557G10                   | 6347G10              | 7247G10              |                      |                      |         |
| 物理的性質                                           | 比重<br>Specific Gravity                  |                  | D792                 |                         | 1.16              | 1.14              | 1.16                 | 1.17                              | 1.19                 | 1.24                 | 1.26                 | 1.11                 | 1.10                 | 1.09                      | 1.27                 | 1.31                 | 1.33                 |                      |         |
|                                                 | 吸水率<br>Water Absorption                 | 23°C, 24H        | D570                 | %                       | 3.4               | 0.75              | 0.5                  | 0.4                               | 0.4                  | 0.4                  | 0.3                  | 0.79                 | 0.79                 | 0.74                      | 0.3                  | 0.3                  | 0.2                  |                      |         |
| 熱的性質                                            | 融点<br>Melting Point                     |                  | DSC                  | °C                      | 172               | 196               | 208                  | 209                               | 209                  | 215                  | 219                  | 160                  | 160                  | 160                       | 215                  | 220                  | 225                  |                      |         |
|                                                 | 結晶化温度<br>Crystallization Temperature    |                  | DSC                  | °C                      | 146               | 177               | 183                  | 161                               | 185                  | 189                  | 192                  | 130                  | 130                  | 130                       | 194                  | 197                  | 198                  |                      |         |
|                                                 | ビカト軟化点<br>Vicat Softening Point         | A法               | K7206                | °C                      | 106               | 160               | 173                  | 180                               | 197                  | 210                  | 214                  | <40                  | 42                   | 55                        | 201                  | 212                  | 218                  |                      |         |
|                                                 | 荷重たわみ温度<br>Deflection Temp Under Load   | 0.45MPa          | D648                 | °C                      | 45                | 75                | 90                   | 105                               | 107                  | 140                  | 154                  | <30                  | <30                  | <30                       | 192                  | 209                  | 208                  |                      |         |
|                                                 | ガラス転移温度<br>Glass Transition Temperature |                  | DSC                  | °C                      | -40               | -38               | -25                  | -20                               | -20                  | 3                    | 12                   | -10                  | -10                  | -10                       | -23                  | 1                    | 10                   |                      |         |
|                                                 | 脆化温度<br>Brittleness Point               |                  | K6261                | °C                      | <-65              | <-65              | <-65                 | <-65                              | <-70                 | -60                  | -49                  | <-65                 | <-65                 | <-65                      |                      |                      |                      |                      |         |
|                                                 | 燃焼性<br>Flammability                     |                  | UL94                 |                         | HB相当<br>HB Equiv. | HB相当<br>HB Equiv. | HB相当<br>HB Equiv.    | HB相当<br>HB Equiv.                 | HB                   | HB                   | HB                   | HB相当<br>HB Equiv.    | HB相当<br>HB Equiv.    | HB相当<br>HB Equiv.         | HB                   | HB                   | HB                   |                      |         |
|                                                 | 機械的性質                                   | 表面硬さ<br>Hardness | デュロメーター<br>Durometer | K7215                   | Dスケール<br>D Scale  | 40                | 46                   | 50                                | 55                   | 55                   | 65                   | 70                   | 65 *3                | 70 *3                     | 75 *3                | 64                   | 71                   | 75                   |         |
| 機械的性質                                           | 引張降伏強さ<br>Tensile Yield Strength        |                  | K7113                | MPa                     | 10.4              | 12.1              | 14.5                 | 16.7                              | 15.2                 | 23.3                 | 28.9                 | 3.2                  | 4.0                  | 4.4                       | 37.3                 | 44.1                 | 52.5                 |                      |         |
|                                                 | 降伏伸び<br>Yield Elongation                |                  | K7113                | %                       | (50)              | (50)              | (50)                 | (50)                              | (30)                 | 25                   | 22                   | (50)                 | (50)                 | (50)                      | 19                   | 14                   | 13                   |                      |         |
|                                                 | 破断強さ<br>Tensile Strength                |                  | K7113                | MPa                     | 18.6              | 23.5              | 27.9                 | 29.4                              | 27.5                 | 29.9                 | 33.8                 | 6.0                  | 7.5                  | 10.2                      | 34.3                 | 42.7                 | 51.0                 |                      |         |
|                                                 | 破断伸び<br>Tensile Elongation              |                  | K7113                | %                       | 225               | 480               | 390                  | 350                               | 450                  | 351                  | 339                  | 290                  | 730                  | 900                       | 24                   | 17                   | 18                   |                      |         |
| 機械的性質                                           | 10%引張強さ<br>10% Tensile Modulus          |                  | K7113                | MPa                     | 4.4               | 5.8               | 7.5                  | 9.6                               | 10.0                 | 17.7                 | 23.0                 | 0.9                  | 1.1                  | 1.2                       | 31.9                 | 39.7                 | 46.1                 |                      |         |
|                                                 | 引張弾性率<br>Tensile Modulus                |                  | K7113                | MPa                     | 53.0              | 72.6              | 98.1                 | 132                               | 152                  | 284                  | 431                  | 10                   | 12.6                 | 13.5                      | 593                  | 711                  | 784                  |                      |         |
|                                                 | 曲げ強さ<br>Flexural Strength               |                  | D790                 | MPa                     | 3.6               | 5.7               | 6.8                  | 9.2                               | 13.2                 | 21.3                 | 25.7                 | 0.7                  | 0.9                  | 1.1                       | 40.7                 | 53.0                 | 59.8                 |                      |         |
|                                                 | 曲げ弾性率<br>Flexural Modulus               |                  | D790                 | MPa                     | 64.7              | 88.3              | 147                  | 201                               | 235                  | 444                  | 627                  | 15.1                 | 19.5                 | 23.9                      | 1060                 | 1420                 | 1670                 |                      |         |
| 機械的性質                                           | 圧縮弾性率<br>Compression Modulus            |                  | D575                 | MPa                     | 44.9              |                   | 121                  | 145                               | 216                  | 339                  | 502                  | 6.3                  | 9.5                  | 13.6                      | 389                  | 619                  |                      |                      |         |
|                                                 | 反撥弾性率<br>Resilience                     |                  | BS903                | %                       | 60                | 60                | 60                   | 57                                | 50                   | 47                   | 42                   | 29                   | 41                   | 57                        | 50                   | 42                   |                      |                      |         |
|                                                 | アイゾット衝撃強さ<br>Izod Impact(Notched)       | 23°C             | D256                 | J/m/ツチ                  | NB                | NB                | NB                   | NB                                | NB                   | 127                  | 88.3                 | NB                   | NB                   | NB                        | 235                  | 108                  | 58.8                 |                      |         |
|                                                 |                                         | -20°C            | D256                 | J/m/ツチ                  | NB                | NB                | NB                   | NB                                | 333                  | 78.5                 | 49.0                 | NB                   | NB                   | NB                        | 137                  | 49.0                 | 29.4                 |                      |         |
| 機械的性質                                           | 引裂強さ(2mmt)<br>Tear Strength(2mmt)       | ダイス<br>Die C     | D624                 | KN/m                    | 97.1              | 118               | 176                  | 229                               | 136                  | 172                  | 201                  |                      |                      |                           |                      |                      |                      |                      |         |
|                                                 | テーパー摩耗量(CS17)<br>Taber Abrasion(CS17)   | 1Kg, 1000回       | K7204                | mg                      | 18                | 16                | 15                   | 12                                | 6                    | 10                   | 9                    | 55                   | 62                   | 35                        | 29                   | 28                   | 24                   |                      |         |
| 体積抵抗<br>Volume Resistivity                      |                                         |                  |                      | 23°C, 51%RH             | D257              | Ω・cm              | 4.5×10 <sup>12</sup> | 1.5×10 <sup>11</sup>              | 4.7×10 <sup>11</sup> | 2.2×10 <sup>11</sup> | 2.1×10 <sup>14</sup> | 5.6×10 <sup>14</sup> | 1.0×10 <sup>15</sup> | 2.9×10 <sup>12</sup>      | 8.6×10 <sup>11</sup> | 8.4×10 <sup>11</sup> | 2.6×10 <sup>12</sup> | 1.0×10 <sup>15</sup> |         |
| 成形収縮率*1<br>Mold Shrinkage                       |                                         |                  |                      |                         |                   | %                 | 0.7~1.0              | 1.2~1.5                           | 1.2~1.5              | 1.4~1.7              | 1.4~1.7              | 1.4~1.7              | 1.6~1.9              | 2.8~3.3                   | 1.3~1.6              | 0.8~1.1              | 0.4~0.7              | 0.5~0.8              |         |
| メルトフローレート(測定温度)<br>Melt Index(measurement temp) |                                         |                  |                      | 2160g                   | D1238             | g/10分<br>g/10min  | 1.0(200)             | 2.0(220)                          | 2.0(230)             | 1.1(230)             | 4.3(230)             | 4.4(240)             | 4.9(240)             | 5(220)*4                  | 33(220)*4            | 98(220)*4            | 8(230)               | 13(240)              | 14(240) |

\*1 JIS2号試験片長さ方向測定値

JIS No.2 tensile test specimen is measured at molding direction

\*3 Aスケール scale

\*4 荷重 Load :10kg



ハイトレル (R) のグレードと物性  
Product line and Properties of Hytrel (R)

| 項目<br>Property | 測定条件<br>Notes                                   | 試験方法<br>Method           | 単位<br>Units | 摺動<br>Low-friction |                      |                      | 静電・導電<br>Anti-static, Semi-conductive |                     |                      | 難燃<br>Flame Retarded |                      |                      | 良接着・良相溶<br>Adhesion  |                      | 耐加水分解<br>Hydrolysis Resistant |                      | 透明<br>Translucent    |                      |
|----------------|-------------------------------------------------|--------------------------|-------------|--------------------|----------------------|----------------------|---------------------------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------------------------|----------------------|----------------------|----------------------|
|                |                                                 |                          |             | 5557L-01           | 6347L-01             | 7247L-01             | 4047X08                               | 4767A               | 6347E03              | 8068                 | 8303FR               | 7237F                | 4057                 | 2551                 | 5577R07                       | 7247R09              | 4001T-X03            |                      |
| 物理的性質          | 比重<br>Specific Gravity                          |                          | D792        |                    | 1.18                 | 1.23                 | 1.25                                  | 1.19                | 1.15                 | 1.23                 | 1.43                 | 1.25                 | 1.44                 | 1.15                 | 1.24                          | 1.19                 | 1.25                 | 1.12                 |
|                | 吸水率<br>Water Absorption                         | 23°C、24H                 | D570        | %                  | 0.4                  | 0.4                  | 0.3                                   | 0.35                | 0.2                  | 0.4                  | 1.9                  | 0.3                  | 0.14                 | 0.8                  | 0.6                           | 0.4                  | 0.3                  | 0.8                  |
| 熱              | 融点<br>Melting Point                             |                          | DSC         | °C                 | 208                  | 215                  | 219                                   | 182                 | 199                  | 211                  | 169                  | 220                  | 212                  | 163                  | 164                           | 208                  | 219                  | 178                  |
|                | 結晶化温度<br>Crystallization Temperature            |                          | DSC         | °C                 | 163                  | 171                  | 176                                   | 157                 | 166                  | 184                  | 139                  | 200                  | 188                  | 116                  | 130                           | 157                  | 176                  | 156                  |
| 的              | ビカ软化点<br>Vicat Softening Point                  | A法                       | K7206       | °C                 | 188                  | 202                  | 204                                   | 131                 | 160                  | 188                  | 110                  | 200                  | 197                  | 110                  | 130                           | 192                  | 208                  |                      |
|                | 荷重たわみ温度<br>Deflection Temp Under Load           | 0.45MPa                  | D648        | °C                 | 82                   | 116                  | 129                                   | 58                  | 80                   | 102                  | 48                   | 100                  | 144                  | 60                   | 78                            | 100                  | 150                  |                      |
| 性              | ガラス転移温度<br>Glass Transition Temperature         |                          | DSC         | °C                 | -20                  | 3                    | 12                                    | -40                 | -35                  | -30                  | -26                  | 60                   | 58                   | -30                  | 30                            | -20                  | 12                   | -43                  |
|                | 脆化温度<br>Brittleness Point                       |                          | K6261       | °C                 | <-65                 | <-65                 | <-65                                  | <-65                | <-65                 |                      |                      |                      | -26                  | <-65                 | <-65                          | <-65                 | <-65                 | <-65                 |
| 質              | 燃焼性<br>Flammability                             |                          | UL94        |                    | HB相当<br>HB Equiv.    | HB相当<br>HB Equiv.    | HB相当<br>HB Equiv.                     | HB相当<br>HB Equiv.   | HB相当<br>HB Equiv.    | HB相当<br>HB Equiv.    | V-0                  | V-2                  | V-0                  | HB                   | HB                            | HB相当<br>HB Equiv.    | HB                   |                      |
| 機              | 表面硬さ<br>Hardness                                | デュロメータ<br>Durometer      | K7215       | Dスケール<br>D Scale   | 54                   | 59                   | 65                                    | 48                  | 46                   | 59                   | 46                   | 61                   | 72                   | 40                   | 60                            | 55                   | 72                   | 40                   |
|                | 引張降伏強さ<br>Tensile Yield Strength                |                          | K7113       | MPa                | 15.4                 | 21.7                 | 27.4                                  | 12.4                | 10.0                 | 19.9                 | 9.4                  | 19.2                 | 27.5                 | 6.9                  | 17.7                          | 17.5                 | 25.3                 | 7.8                  |
| 械              | 降伏伸び<br>Yield Elongation                        |                          | K7113       | %                  | 26                   | 24                   | 22                                    | (50)                | (50)                 | 28                   | (50)                 | 10                   | 16                   | (50)                 | 33                            | (50)                 | 24                   | (50)                 |
|                | 破断強さ<br>Tensile Strength                        |                          | K7113       | MPa                | 31.1                 | 37.3                 | 38.2                                  | 19.6                | 22.6                 | 28.7                 | 12.4                 | 22.5                 | 24.2                 | 22.6                 | 44.1                          | 38.1                 | 36.8                 | 17                   |
| 的              | 破断伸び<br>Tensile Elongation                      |                          | K7113       | %                  | 340                  | 350                  | 290                                   | 510                 | 520                  | 342                  | 340                  | 142                  | 204                  | 600                  | 410                           | 325                  | 386                  | 450                  |
|                | 10%引張強さ<br>10% Tensile Modulus                  |                          | K7113       | MPa                | 10.6                 | 16.7                 | 22.2                                  | 6.5                 | 5.9                  | 15.4                 | 5.2                  | 19.2                 | 23.0                 | 3.2                  | 10.8                          | 7.9                  | 18.5                 | 3.8                  |
| 性              | 引張弾性率<br>Tensile Modulus                        |                          | K7113       | MPa                | 228                  | 270                  | 402                                   | 91.2                | 68.6                 | 267                  | 108                  | 489                  | 555                  | 38.2                 | 168                           | 147                  | 340                  | 43                   |
|                | 曲げ強さ<br>Flexural Strength                       |                          | D790        | MPa                | 10.1                 | 15.6                 | 23.2                                  | 5.9                 |                      | 18.3                 | 5.6                  | 19.3                 | 24.5                 | 3.9                  | 10.5                          | 9.7                  | 22.3                 | 4.4                  |
| 質              | 曲げ弾性率<br>Flexural Modulus                       |                          | D790        | MPa                | 196                  | 352                  | 507                                   | 142                 | 108                  | 357                  | 174                  | 561                  | 661                  | 59.8                 | 217                           | 187                  | 466                  | 70.6                 |
|                | 圧縮弾性率<br>Compression Modulus                    |                          | D575        | MPa                | 154                  | 309                  | 340                                   | 70.0                | 89.5                 | 256                  | 85.6                 | 325                  | 396                  | 51.0                 | 169                           | 151                  | 323                  |                      |
| 質              | 反撥弾性率<br>Resilience                             |                          | BS903       | %                  | 58                   | 48                   | 43                                    | 62                  | 65                   | 47                   | 46                   | 42                   | 38                   | 65                   | 30                            | 55                   | 45                   |                      |
|                | アイソック衝撃強さ<br>Izod Impact(Notched)               | 23°C                     | D256        | J/m/ツチ             | NB                   | 206                  | 147                                   | NB                  | NB                   | 731                  | NB                   | 274                  | 68.6                 | NB                   | NB                            | 229                  | NB                   |                      |
| 質              | 引裂強さ(2mmt)<br>Tear Strength(2mmt)               | -20°C                    | D256        | J/m/ツチ             | NB                   | 90                   | 72                                    | NB                  | NB                   | 229                  | 143                  | 119                  |                      | NB                   | 78.5                          | NB                   | 60.2                 | NB                   |
|                | ダイ C<br>Die C                                   |                          | D624        | KN/m               | 167                  |                      |                                       | 104                 | 108                  |                      | 75                   |                      | 187                  | 97.1                 | 214                           |                      |                      |                      |
| 質              | テーパー摩耗量(CS17)<br>Taber Abrasion(CS17)           | 1Kg、1000回<br>1Kg. cycles | K7204       | mg                 | 13                   | 9                    | 8                                     | 30                  | 16                   | 24                   | 25                   | 50                   | 36                   | 14                   | 13                            | 12                   | 13                   |                      |
|                | 体積抵抗<br>Volume Resistivity                      | 23°C、51%RH               | D257        | Ω・cm               | 3.4×10 <sup>13</sup> | 9.0×10 <sup>13</sup> | 6.7×10 <sup>14</sup>                  | 1.2×10 <sup>6</sup> | 7.1×10 <sup>11</sup> | 6.5×10 <sup>7</sup>  | 9.1×10 <sup>10</sup> | 3.9×10 <sup>14</sup> | 7.1×10 <sup>14</sup> | 6.7×10 <sup>12</sup> | 1.5×10 <sup>15</sup>          | 6.5×10 <sup>13</sup> | 4.8×10 <sup>15</sup> | 4.9×10 <sup>10</sup> |
| 質              | 成形収縮率*1<br>Mold Shrinkage                       |                          |             | %                  | 1.4~1.7              | 1.4~1.7              | 1.4~1.7                               | 1.0~1.3             | 1.0~1.3              | 1.5~1.8              | 0.4~0.7              | 2.0~2.3              | 1.6~1.9              | 0.3~0.6              | 1.2~1.5                       | 1.3~1.6              | 1.3~1.6              | 1.2~1.5              |
|                | メルトフローレート(測定温度)<br>Melt Index(measurement temp) | 2160g                    | D1238       | g/10分<br>g/10min   | 8(220)               | 16(240)              | 17(240)                               | 3(200)              | 16(220)              | 3.1(240)             | 4.6(190)             | 0.5(270)             | 2.4(240)             | 1.3(200)             | 2(200)                        | 2.5(230)             | 17.7(240)            | 5(220)               |

\*1 JIS2号試験片長さ方向測定値

JIS No.2 tensile test specimen is measured at molding direction