

**General Purpose ABS TOYOLAC™ 700 314**

| Property<br>代表物性                              | Test Method<br>试验法 | Test Conditions<br>试验条件 | Unit<br>单位        | TOYOLAC<br>700 314 |
|-----------------------------------------------|--------------------|-------------------------|-------------------|--------------------|
| Physical Properties 物理性能                      |                    |                         |                   |                    |
| Density<br>比重                                 | ISO 1183           | 23°C                    | kg/m <sup>3</sup> | 1050               |
| Melt Flow Rate<br>流动系数                        | ISO 1133           | 220°C, 10 kg            | g / 10min         | 23                 |
| Mechanical Properties 机械性能                    |                    |                         |                   |                    |
| Charpy Impact,<br>Notched<br>缺口冲击强度           | ISO 179/1eA        | 23°C / 50% RH           | kJ/m <sup>2</sup> | 17                 |
| Tensile Strength<br>引张强度;降伏点                  | ISO 527            | 50 mm/min               | MPa               | 54                 |
| Tensile Elongation at Break<br>拉伸伸长率          |                    | 50 mm/min               | %                 | > 10               |
| Tensile Modulus<br>拉伸模数                       |                    | 1 mm/min                | MPa               | 2700               |
| Flexural Strength<br>弯曲强度                     | ISO 178            | 2 mm/min                | MPa               | 81                 |
| Flexural Modulus<br>弯曲模数                      |                    |                         |                   | 2450               |
| Thermal Properties 热性能                        |                    |                         |                   |                    |
| Deflection Temperature<br>under load<br>热变形温度 | ISO 75             | 1.8 Mpa / 120°C/hr      | °C                | 82                 |
| Flammability 燃烧性                              |                    |                         |                   |                    |
| Flammability<br>燃烧性                           | UL 94              | -                       | -                 | HB                 |

