



creative thermoplastic compounds

## PM1013/PM1113

Release Date: 03/04/2013

**General Purpose Polyacetal Copolymer for Injection Moulding applications. MFI 13.**  
**ISO**

| PHYSICAL PROPERTIES                | UNIT              | TEST METHOD       | VALUES           |
|------------------------------------|-------------------|-------------------|------------------|
| DENSITY                            | g/cm <sup>3</sup> | ISO-1183          | 1.41             |
| MOULD SHRINKAGE                    | %                 | ISO-2577          | 1.8-2.2          |
| MFI                                | g/10min           | ISO-1133 190/2.16 | 13               |
| MECHANICAL PROPERTIES              | UNIT              | TEST METHOD       | VALUES           |
| TENSILE YIELD STRENGTH             | MPa               | ISO-527           | 65               |
| STRAIN @ BREAK                     | %                 | ISO-527           | 25               |
| FLEXURAL STRENGTH                  | MPa               | ISO-178           | 85               |
| FLEXURAL MODULUS                   | MPa               | ISO-178           | 2800             |
| NOTCHED IZOD IMPACT STRENGTH +23°C | Kj/m <sup>2</sup> | ISO-180           | 6                |
| ROCKWELL HARDNESS                  |                   | R scale           | 82               |
| THERMAL PROPERTIES                 | UNIT              | TEST METHOD       | VALUES           |
| HDT AT LOAD 1.8 Mpa                | °C                | ISO-75            | 110              |
| HDT AT LOAD 0.45 Mpa               | °C                | ISO-75            | 160              |
| FLAMMABILITY                       | mm/min            | FMVSS302          | 18               |
| UL FLAMMABILITY                    |                   | UL-94 3mm         | H.B.             |
| MELTING POINT                      | °C                | ISO-11357         | 165              |
| ELECTRICAL PROPERTIES              | UNIT              | TEST METHOD       | VALUES           |
| SURFACE RESISTANCE                 | Ohm               | IEC 60093         | 10 <sup>14</sup> |
| VOLUME RESISTANCE                  | Ohm x m           | IEC 60093         | 10 <sup>16</sup> |
| DIELECTRIC STRENGTH                | kV/mm             | IEC 60250         | 24               |
| DIELECTRIC CONSTANT AT 1MHZ        | kV/mm             | IEC 60250         | 3.8              |

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