



creative thermoplastic compounds

PD502G6

Release Date: 23/01/2011

30% Glass Fiber Reinforced, V-0 1.6mm, Polyamide 12 for Injection Moulding application.
ISO

| PHYSICAL PROPERTIES | UNIT | TEST METHOD | VALUES |
|------------------------------------|-------------------|-------------|---------|
| DENSITY | g/m ³ | ISO-1183 | 1.67 |
| WATER ABSORPTION (SATURATION) | % | ISO-62 | 1.2 |
| MECHANICAL PROPERTIES | UNIT | TEST METHOD | VALUES |
| TENSILE YIELD STRENGTH | MPa | ISO-527 | 115 |
| TENSILE MODULUS | MPa | ISO-527 | 7600 |
| STRAIN @ BREAK | % | ISO-527 | 6 |
| FLEXURAL STRENGTH | MPa | ISO-178 | 185 |
| FLEXURAL MODULUS | MPa | ISO-178 | 7100 |
| NOTCHED IZOD IMPACT STRENGTH +23°C | Kj/m ² | ISO-180 | 17 |
| THERMAL PROPERTIES | UNIT | TEST METHOD | VALUES |
| UL FLAMMABILITY | | UL-94 1.6mm | V-0 |
| MELTING POINT | °C | ISO-11357 | 165-175 |

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