



creative thermoplastic compounds

Polytron P30N03

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A Chemically Coupled 30% Long Glass Fiber Reinforced Impact Modified Natural Polypropylene, Heat Stabilized for Injection Moulding application.

These products have significantly improved impact performance characteristics compared to other grades of Polypropylene long fiber thermoplastics. The room temperature Charpy impact properties are 25 to 30% higher at room temperature and at low temperature (-40 C).

ISO

| PHYSICAL PROPERTIES | UNIT | TEST METHOD | VALUES |
|---|-------------------|-------------|---------|
| DENSITY | g/m ³ | ISO-1183 | 1.1 |
| MOULD SHRINKAGE | % | ISO-2577 | 0.1-0.2 |
| MECHANICAL PROPERTIES | UNIT | TEST METHOD | VALUES |
| TENSILE YIELD STRENGTH | MPa | ISO-527 | 95 |
| TENSILE MODULUS | MPa | ISO-527 | 6800 |
| STRAIN @ BREAK | % | ISO-527 | 2.9 |
| FLEXURAL STRENGTH | MPa | ISO-178 | 145 |
| FLEXURAL MODULUS | MPa | ISO-178 | 6500 |
| NOTCHED IZOD IMPACT STRENGTH +23°C | Kj/m ² | ISO-180 | 20 |
| NOTCHED CHARPY IMPACT STRENGTH +23°C | Kj/m ² | ISO-179 | 21 |
| NOTCHED CHARPY IMPACT STRENGTH -30°C | Kj/m ² | ISO-179 | 20 |
| UN NOTCHED CHARPY IMPACT STRENGTH +23°C | Kj/m ² | ISO-179 | 55 |
| UN NOTCHED CHARPY IMPACT STRENGTH -30°C | Kj/m ² | ISO-179 | 75 |
| THERMAL PROPERTIES | UNIT | TEST METHOD | VALUES |
| HDT AT LOAD 1.8 Mpa | °C | ISO-75 | 149 |
| G.W.F.I | °C | IEC 60695 | 750 |
| FLAMMABILITY | mm/min | FMVSS302 | 10 |
| UL FLAMMABILITY | | UL-94 3mm | H.B. |
| MELTING POINT | °C | ISO-11357 | 167 |

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