



creative thermoplastic compounds

## PPH307G6

Release Date: 28/01/2013

**30% Glass Fiber Reinforced, Impact Modified Polypropylene for Injection Moulding applications.**

ISO

| PHYSICAL PROPERTIES                | UNIT              | TEST METHOD       | VALUES  |
|------------------------------------|-------------------|-------------------|---------|
| DENSITY                            | g/cm <sup>3</sup> | ISO-1183          | 1.13    |
| MOULD SHRINKAGE                    | %                 | ISO-2577          | 0.1-0.3 |
| MFI                                | g/10min           | ISO-1133 230/2.16 | 2.5     |
| MECHANICAL PROPERTIES              | UNIT              | TEST METHOD       | VALUES  |
| TENSILE YIELD STRENGTH             | MPa               | ISO-527           | 80      |
| TENSILE MODULUS                    | MPa               | ISO-527           | 5300    |
| STRAIN @ BREAK                     | %                 | ISO-527           | 3.5     |
| FLEXURAL STRENGTH                  | MPa               | ISO-178           | 100     |
| FLEXURAL MODULUS                   | MPa               | ISO-178           | 3800    |
| NOTCHED IZOD IMPACT STRENGTH +23°C | Kj/m <sup>2</sup> | ISO-180           | 12      |
| THERMAL PROPERTIES                 | UNIT              | TEST METHOD       | VALUES  |
| HDT AT LOAD 1.8 Mpa                | °C                | ISO-75            | 145     |
| HDT AT LOAD 0.45 Mpa               | °C                | ISO-75            | 153     |
| UL FLAMMABILITY                    |                   | UL-94 3mm         | H.B.    |
| MELTING POINT                      | °C                | ISO-11357         | 165     |
| MAX TEMP CONTINUOUS USE            | °C                |                   | 100     |
| MAX TEMP SHORT PEAKS OPERATION     | °C                |                   | 155     |

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