creative thermoplastic compounds

# PW300G7

Release Date: 20/05/2003

**35% Glass Fiber Reinforced SAN for very high Rigidity Injection Moulding applications.**

ISO

| PHYSICAL PROPERTIES | UNIT | TEST METHOD | VALUES |
|---|---|---|---|
| DENSITY | $g/cm^3$ | ISO-1183 | 1.35 |
| WATER ABSORPTION (SATURATION) | % | ISO-62 | 0.1 |
| MOULD SHRINKAGE | % | ISO-2577 | 0.2 |
| MFI | g/10min | ISO-1133 220/10 | 9 |
| **MECHANICAL PROPERTIES** | **UNIT** | **TEST METHOD** | **VALUES** |
| TENSILE YIELD STRENGTH | MPa | ISO-527 | 110 |
| STRAIN @ BREAK | % | ISO-527 | 1.5 |
| FLEXURAL STRENGTH | MPa | ISO-178 | 160 |
| FLEXURAL MODULUS | MPa | ISO-178 | 10000 |
| NOTCHED IZOD IMPACT STRENGTH +23°C | $Kj/m^2$ | ISO-180 | 6.5 |
| ROCKWELL HARDNESS | | R scale | 94 |
| **THERMAL PROPERTIES** | **UNIT** | **TEST METHOD** | **VALUES** |
| HDT AT LOAD 1.8 Mpa | °C | ISO-75 | 110 |
| UL FLAMMABILITY | | UL-94 3mm | H.B. |
| **ELECTRICAL PROPERTIES** | **UNIT** | **TEST METHOD** | **VALUES** |
| SURFACE RESISTANCE | Ohm | IEC 60093 | 10^14 |
| VOLUME RESISTANCE | Ohm x m | IEC 60093 | 10^16 |
| DIELECTRIC STRENGTH | kV/mm | IEC 60250 | 40 |
| DIELECTRIC CONSTANT AT 1MHZ | kV/mm | IEC 60250 | 3.1 |



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