creative thermoplastic compounds

# PA341G9

Release Date: 19/07/2012

**45% Glass Fiber Reinforced, High Stiffness and Low Temp' Resistance, UV Stabilized Polyamide 6.6 for Injection Moulding applications.**

ISO

| PHYSICAL PROPERTIES | UNIT | TEST METHOD | VALUES |
|---|---|---|---|
| DENSITY | $g/cm^3$ | ISO-1183 | 1.46 |
| WATER ABSORPTION (SATURATION) | % | ISO-62 | 3.5 |
| MOISTURE ABSORPTION 23° C, 50% RH (SATURATION) | % | ISO-62 | 1.2 |
| MOULD SHRINKAGE | % | ISO-2577 | 0.2-0.6 |
| **MECHANICAL PROPERTIES** | **UNIT** | **TEST METHOD** | **VALUES** |
| TENSILE YIELD STRENGTH | MPa | ISO-527 | 165 |
| STRAIN @ BREAK | % | ISO-527 | 2.5 |
| FLEXURAL STRENGTH | MPa | ISO-178 | 275 |
| FLEXURAL MODULUS | MPa | ISO-178 | 12000 |
| NOTCHED IZOD IMPACT STRENGTH +23°C | $Kj/m^2$ | ISO-180 | 19 |
| ROCKWELL HARDNESS | | R scale | 122 |
| **THERMAL PROPERTIES** | **UNIT** | **TEST METHOD** | **VALUES** |
| HDT AT LOAD 1.8 Mpa | °C | ISO-75 | 240 |
| HDT AT LOAD 0.45 Mpa | °C | ISO-75 | 250 |
| FLAMMABILITY | mm/min | FMVSS302 | 5 |
| UL FLAMMABILITY | | UL-94 3mm | H.B. |
| MELTING POINT | °C | ISO-11357 | 256 |
| MAX TEMP CONTINUOUS USE | °C | | 110 |
| MAX TEMP SHORT PEAKS OPERATION | °C | | >200 |
| **ELECTRICAL PROPERTIES** | **UNIT** | **TEST METHOD** | **VALUES** |
| SURFACE RESISTANCE | Ohm | IEC 60093 | 10^13 |
| VOLUME RESISTANCE | Ohm x m | IEC 60093 | 10^15 |
| DIELECTRIC STRENGTH | kV/mm | IEC 60250 | 90 |
| DIELECTRIC CONSTANT AT 1MHZ | kV/mm | IEC 60250 | 3.7 |

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