

Technical Data Sheet

LURANYL[®] HT 190



PPE+PA Blend; very high heat resistance

| <i>Properties</i> | <i>Unit</i> | <i>Test Method</i> | <i>Test Conditions</i> | <i>Value*</i> | <i>Remarks</i> |
|-------------------------------------|------------------------------------|--------------------|--------------------------------|---------------|----------------|
| <i>Mechanical</i> | | | | | |
| Tensile Modulus | MPa | ISO 527 | 23°C 1mm/min | 2,050 | |
| Tensile Strength | MPa | ISO 527 | 23°C 50 mm/min | 50 | |
| Elongation at Break | % | ISO 527 | 23°C 50 mm/min | 90 | |
| Impact Strength Notched (Charpy) | kJ/m ² | ISO 179/1eA | 80 x 10 x 4 mm 23°C / -30°C | 45 / 12 | |
| Impact Strength (Charpy) | kJ/m ² | ISO 179/1eU | 80 x 10 x 4 mm 23°C / -30°C | n.b. / n.b. | |
| <i>Physical</i> | | | | | |
| Density | g/cm ³ | ISO 1183 | 23°C, 50% RH | 1.05 | |
| Water Absorption | % | ISO 62 | 23°C, 24 h | < 0.4 | |
| <i>Thermal</i> | | | | | |
| Heat Distortion Temperature (HDT A) | °C | ISO 75 | 1.80 MPa | 120 | |
| Vicat Softening Temperature (B 50) | °C | ISO 306 | 50°C/h 50N | 180 | |
| Melt Volume Rate MVR | cm ³ /10 min | ISO 1133 | 280°C 5 kg | 20 | |
| Linear Thermal Expansion | 10 ⁻⁴ · K ⁻¹ | ISO 11359-2 | 23°C - 80°C | 0.95 | |
| Moulding Shrinkage | % | ISO 294-4 | 23°C 3,2 mm | 0.9 – 1.1 | |
| Flammability (own test) | Class | UL 94 | 1.6 mm | HB | |

* = Average figures which could vary with each production batch due to addition of pigments, antistatic agents, slip agents, light stabilizers or other additives.

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