



Preliminary Technical Data Sheet

RAVAMID[®] R200 T80

Polyamide 6 impact modified prime quality compound available in custom colors also available heat stabilized (H) and UV stabilized (UV)

| PROPERTIES | NORM | | UNIT | VALUE |
|---|----------------|-------|-------------------|---------|
| <u>GENERAL</u> | ISO | ASTM | | |
| Density | 1183 | D792 | g/cm ³ | 1.08 |
| Linear mould shrinkage | / | D955 | % | 0.9-1.3 |
| Water absorption (24h 23°C) | 62 | D570 | % | 2.5 |
| <u>TERMICHE/ THERMAL</u> | | | | |
| VICAT B50 | 306 | D1525 | °C | - |
| HDT/A | 75 | D648 | °C | 50 |
| Ball pressure test 125°C | IEC 335 | | °C | - |
| Melting point | ISO 3416 | | °C | 220 |
| <u>MECCANICHE/ MECHANICAL</u> | | | | |
| Tensile strength (yield) | 527 | D638 | MPa | 45 |
| Tensile strength (break) | 527 | D638 | MPa | 40 |
| Elongation at break | 527 | D638 | % | 35 |
| Flexural modulus | 178 | D790 | MPa | 1600 |
| Flexural strenght | 178 | D790 | MPa | - |
| Izod Impact +23°C (notched) | 180/1A | D256 | KJ/m ² | 50 |
| Izod Impact -30°C (notched) | 180/1A | D256 | KJ/m ² | 15 |
| <u>FLAMMABILITY</u> | | | | |
| Flammability 3,2 mm | UL94 | | - | HB |
| Flammability 1.6 mm | UL94 | | - | HB |
| Glow Wire Flammability Index 2,0 mm | IEC 60695-2-12 | | °C | 650 |
| Glow Wire Ignitability Temperature 1,2 mm | IEC 60695-2-13 | | °C | - |
| <u>ELECTRICAL</u> | | | | |
| Dielectric rigidity (Oil 1mm) | IEC 60243-1 | | KV/mm | 30 |
| Surface resistivity | IEC 60093 | | Ohm | 10E14 |
| Volume resistivity | IEC 60093 | | Ohmxcmm | - |
| CTI Comparative Tracking Index | IEC 60112 | | V | 600 |