



TECHNICAL DATA SHEET

DECOmid A1G3

| PROPERTIES | | STANDARD | UNIT | TYPICAL VALUES |
|---|--------------------|----------------------------------|-------------------|-----------------------------|
| PHYSICAL & THERMAL | | | | |
| Density | | ISO 1183 | g/cm ³ | 1,24 |
| Melting Point | | DSC | °C | 260 |
| Mold Shrinkage (average) | | ISO 294-4 | % | 0,6 - 1 |
| Moisture Absorption (water immersion) | 23oC - 24h | ISO 62 | % | 1 |
| Melt Flow Index | | ISO 1133 | g/10min | - |
| Vicat Softening Temperature B | 9,8 N | ISO 306 | °C | 250 |
| Heat Deflection Temperature _{0,45 MPa} | | ISO 75-2 | °C | 245 |
| Heat Deflection Temperature _{1,81 MPa} | | ISO 75-2 | °C | 230 |
| Heat Resistance / Ball test | | IEC 335-1 IEC 60695-10-2 | °C | > 165 |
| Continuous Use Temperature (without load) | | IEC 60216 | °C | 115 |
| MECHANICAL | | | | |
| Tensile Strength at Yield | | ISO 527 | MPa | - |
| Tensile Strength at Break | | ISO 527 | MPa | 115 |
| Tensile Modulus | | ISO 527 | MPa | 6000 |
| Tensile Strain at Yield | | ISO 527 | % | - |
| Tensile Strain at Break | | ISO 527 | % | 3 |
| Izod - Notched Impact Strength | | ISO 180/A | KJ/m ² | 6,5 |
| Izod - Unnotched Impact Strength | | ISO 180/U | KJ/m ² | 35 |
| ELECTRICAL & FLAME RETARDANCY | | | | |
| Comparative Tracking Index (CTI) | | IEC 60112 | V | 600 |
| Flammability | 3,2 / 1,6 / 0,8 mm | UL 94 | - | HB |
| Burning Rate | | ISO 3795 | mm/min | <100 |
| Glow Wire Flammability Index | GWFI - 2 mm | IEC 60695-2-12 | °C | 650 |
| Molding conditions (suggested) | | | | |
| Drying Temperature > 3 h / 85 - 95 °C | | Molding temperature 260 - 290 °C | | Mold temperature 70 - 90 °C |

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