



## TECHNICAL DATA SHEET

### DECOmid B1K3

PROPERTIES	STANDARD	UNIT	TYPICAL VALUES
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#### PHYSICAL & THERMAL

Density	ISO 1183	g/cm <sup>3</sup>	1,24
Melting Point	DSC	°C	222
Mold Shrinkage (average)	ISO 294-4	%	0,9 - 1,3
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	205
Heat Deflection Temperature0,45 MPa	ISO 75-2	°C	170
Heat Deflection Temperature1,81 MPa	ISO 75-2	°C	75
Heat Resistance / Ball test	IEC 335-1 IEC 60695-10-2	°C	> 165
Continuous Use Temperature (without load)	IEC 60216	°C	90

#### MECHANICAL

Tensile Strength at Yield	ISO 527	MPa	-
Tensile Strength at Break	ISO 527	MPa	45
Tensile Modulus	ISO 527	MPa	3500
Tensile Strain at Yield	ISO 527	%	4,5
Tensile Strain at Break	ISO 527	%	7
Izod - Notched Impact Strength	ISO 180/A	KJ/m <sup>2</sup>	3,5
Izod - Unnotched Impact Strength	ISO 180/U	KJ/m <sup>2</sup>	25

#### 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 230 - 270 °C	Mold temperature 70 - 90 °C
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