



## TECHNICAL DATA SHEET

### DECOmid B1G3ZK

PROPERTIES		STANDARD	UNIT	TYPICAL VALUES
<b>PHYSICAL &amp; THERMAL</b>				
Density		ISO 1183	g/cm <sup>3</sup>	1,17
Melting Point		DSC	°C	222
Mold Shrinkage (average)		ISO 294-4	%	1,0-1,4
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 Temperature <sub>0,45 MPa</sub>		ISO 75-2	°C	190
Heat Deflection Temperature <sub>1,81 MPa</sub>		ISO 75-2	°C	180
Heat Resistance / Ball test		IEC 335-1 IEC 60695-10-2	°C	> 165
Continuous Use Temperature (without load)		IEC 60216	°C	100
<b>MECHANICAL</b>				
Tensile Strength at Yield		ISO 527	MPa	-40
Tensile Strength at Break		ISO 527	MPa	85/45
Tensile Modulus		ISO 527	MPa	4200/2000
Tensile Strain at Yield		ISO 527	%	-7
Tensile Strain at Break		ISO 527	%	5/13,5
Izod - Notched Impact Strength		ISO 180/A	KJ/m <sup>2</sup>	19/30
Izod - Unnotched Impact Strength		ISO 180/U	KJ/m <sup>2</sup>	75/105
<b>ELECTRICAL &amp; FLAME RETARDANCY</b>				
Comparative Tracking Index (CTI)		IEC 60112	V	600
Flammability	3,2 / 1,6 / 0,8 mm	UL 94	-	HB
Glow Wire Ignition Temperature	GWIT – 2 mm	IEC 60695-2-12	°C	650
Glow Wire Flammability Index	GWFI - 2 mm	IEC 60695-2-12	°C	-
<b>Molding conditions (suggested)</b>				
Drying Temperature > 3 h / 90 – 110 °C		Molding temperature 225 – 270 °C		Mold temperature 70 - 90 °C

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