



**TECHNICAL DATA SHEET**

**DECOMid B1G3Z1**

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

Density		ISO 1183	g/cm <sup>3</sup>	1,22
Melting Point		DSC	°C	222
Mold Shrinkage (average)		ISO 294-4	%	0,7-1,1
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	215
Heat Deflection Temperature0,45 MPa		ISO 75-2	°C	205
Heat Deflection Temperature1,81 MPa		ISO 75-2	°C	195
Heat Resistance / Ball test		IEC 335-1 IEC 60695-10-2	°C	> 165
Continuous Use Temperature (without load)		IEC 60216	°C	100

**MECHANICAL**

Tensile Strength at Yield		ISO 527	MPa	-
Tensile Strength at Break		ISO 527	MPa	110
Tensile Modulus		ISO 527	MPa	5800
Tensile Strain at Yield		ISO 527	%	-
Tensile Strain at Break		ISO 527	%	4
Izod - Notched Impact Strength		ISO 180/A	KJ/m <sup>2</sup>	11,5
Izod - Unnotched Impact Strength		ISO 180/U	KJ/m <sup>2</sup>	50

**ELECTRICAL & FLAME RETARDANCY**

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	-
Glow Wire Flammability Index	GWFI - 2 mm	IEC 60695-2-12	°C	650

**Molding conditions (suggested)**

Drying Temperature > 3 h / 90 – 100 °C	Molding temperature 230 – 270 °C	Mold temperature 70 - 90 °C
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