



TECHNICAL DATA SHEET

DECOmid B1G6 black IQ

PROPERTIES		STANDARD	UNIT	TYPICAL VALUES
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PHYSICAL & THERMAL

Density		ISO 1183	g/cm ³	1,36
Melting Point		DSC	°C	222
Mold Shrinkage (average)		ISO 294-4	%	0,7- 0,9
Moisture Absorption (water immersion)	23°C - 24h	ISO 62	%	0,8
Melt Flow Index		ISO 1133	g/10min	-
Vicat Softening Temperature B	9,8 N	ISO 306	°C	210
Heat Deflection Temperature _{0,45 MPa}	0,45 MPa	ISO 75-2	°C	210
Heat Deflection Temperature _{1,81 MPa}	1,81 MPa	ISO 75-2	°C	205
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	1156
Tensile Modulus		ISO 527	MPa	6500
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
Glow Wire Flammability Index		IEC 60695-2-12	°C	<100
Glow Wire Ignition Temperature	GWFI - 2 mm	IEC 60695-2-13	°C	-

Molding conditions (suggested)

Drying Temperature > 3 h / 90 - 100 °C	Molding temperature 245 - 270 °C	Mold temperature 80 - 90 °C
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