



TECHNICAL DATA SHEET

DECOmid A1K6

PROPERTIES		STANDARD	UNIT	TYPICAL VALUES
PHYSICAL & THERMAL				
Density		ISO 1183	g/cm ³	1,35
Melting Point		DSC	°C	260
Mold Shrinkage (average)		ISO 294-4	%	1,0 - 1,2
Moisture Absorption (water immersion)	23oC - 24h	ISO 62	%	1,2
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	235
Heat Deflection Temperature _{1,81 MPa}		ISO 75-2	°C	110
Heat Resistance / Ball test		IEC 335-1 IEC 60695-10-2	°C	> 165
Continuous Use Temperature (without load)		IEC 60216	°C	110
MECHANICAL				
Tensile Strength at Yield		ISO 527	MPa	-
Tensile Strength at Break		ISO 527	MPa	75
Tensile Modulus		ISO 527	MPa	4800
Tensile Strain at Yield		ISO 527	%	3,5
Tensile Strain at Break		ISO 527	%	5,5
Izod - Notched Impact Strength		ISO 180/A	KJ/m ²	4
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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