



## TECHNICAL DATA SHEET

### DECOmid A1K3

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

Density	ISO 1183	g/cm <sup>3</sup>	1,23
Melting Point	DSC	°C	260
Mold Shrinkage (average)	ISO 294-4	%	0,8 - 1,2
Moisture Absorption (water immersion)	23oC - 24h ISO 62	%	1,5
Melt Flow Index	ISO 1133	g/10min	-
Vicat Softening Temperature B	9,8 N ISO 306	°C	240
Heat Deflection Temperature0,45 MPa	ISO 75-2	°C	230
Heat Deflection Temperature1,81 MPa	ISO 75-2	°C	100
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	50
Tensile Modulus	ISO 527	MPa	3800
Tensile Strain at Yield	ISO 527	%	4
Tensile Strain at Break	ISO 527	%	6,5
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>	30

#### 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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*The information contained herein are supplied in good faith and given purely as an indication. Properties should be carefully evaluated for all projects requirements. Unless otherwise posted this product is not suitable for food and/or medical application and use. They shall not be considered in any way as a formal commitment or warranty on our part especially in case of improper use of our products from third parties.*