



**TECHNICAL DATA SHEET**

**DECOMid A1S0M**

PROPERTIES		STANDARD	UNIT	TYPICAL VALUES
<b>PHYSICAL &amp; THERMAL</b>				
Density		ISO 1183	g/cm <sup>3</sup>	1,15
Melting Point		DSC	°C	260
Mold Shrinkage (average)		ISO 294-4	%	1,4- 1,8
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	255
Heat Deflection Temperature0,45 MPa		ISO 75-2	°C	230
Heat Deflection Temperature1,81 MPa		ISO 75-2	°C	85
Heat Resistance / Ball test		IEC 335-1 IEC 60695-10-2	°C	> 165
Continuous Use Temperature (without load)		IEC 60216	°C	90
<b>MECHANICAL</b>				
Tensile Strength at Yield		ISO 527	MPa	-
Tensile Strength at Break		ISO 527	MPa	75
Tensile Modulus		ISO 527	MPa	3500
Tensile Strain at Yield		ISO 527	%	6
Tensile Strain at Break		ISO 527	%	10
Izod - Notched Impact Strength		ISO 180/A	KJ/m <sup>2</sup>	4,5
Izod - Unnotched Impact Strength		ISO 180/U	KJ/m <sup>2</sup>	-
<b>ELECTRICAL &amp; FLAME RETARDANCY</b>				
Comparative Tracking Index (CTI)		IEC 60112	V	600
Static Friction Coefficient		ASTM D 3702		0,29
Dynamic Friction Coefficient		ASTM D 3702		0,26
Wear Factor		ASTM D 3702	K	70
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 260 – 290 °C	Mold temperature 70 - 90 °C
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