



## TECHNICAL DATA SHEET

### DECOMid B1S0

PROPERTIES		STANDARD	UNIT	TYPICAL VALUES
<b>PHYSICAL &amp; THERMAL</b>				
Density		ISO 1183	g/cm <sup>3</sup>	1,14
Melting Point		DSC	°C	222
Mold Shrinkage (average)		ISO 294-4	%	1,4 - 1,8
Moisture Absorption (water immersion)	23oC - 24h	ISO 62	%	1,5 - 7,5
Melt Flow Index		ISO 1133	g/10min	-
Vicat Softening Temperature B	50°C/h - 10N	ISO 306	°C	205
Heat Deflection Temperature <sub>0,45 MPa</sub>	0,45 MPa	ISO 75-2	°C	170
Heat Deflection Temperature <sub>1,81 MPa</sub>	1,80 MPa	ISO 75-2	°C	60
Heat Resistance / Ball test		IEC 335-1 IEC 60695-10-2	°C	> 165
Continuous Use Temperature (without load)		IEC 60216	°C	80
<b>MECHANICAL</b>				
Tensile Strength at Yield		ISO 527	MPa	85
Tensile Strength at Break		ISO 527	MPa	-
Tensile Modulus		ISO 527	MPa	3000
Tensile Strain at Yield		ISO 527	%	5
Tensile Strain at Break		ISO 527	%	40
Izod - Notched Impact Strength	23°C	ISO 180/A	KJ/m <sup>2</sup>	5,5
Izod - Unnotched Impact Strength		ISO 180/U	KJ/m <sup>2</sup>	NB
<b>ELECTRICAL &amp; FLAME RETARDANCY</b>				
Comparative Tracking Index (CTI)		IEC 60112	V	>600
Flammability	0,8 mm	UL 94	-	V2
Glow Wire Flammability Index	2mm	IEC 60695-2-12	°C	<100
Glow Wire Ignition Temperature	GWFI - 2 mm	IEC 60695-2-13	°C	825
<b>Molding conditions (suggested)</b>				
Drying Temperature > 3 h / 80 - 90 °C		Molding temperature 230 - 260 °C		Mold temperature 70 - 80 °C

*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.*