



**TECHNICAL DATA SHEET**

**DECOform C13A natur**

**PROPERTIES** **STANDARD** **UNIT** **TYPICAL VALUES**

**PHYSICAL & THERMAL**

Density		ISO 1183	g/cm <sup>3</sup>	1,42
Melting Point		DSC	°C	175
Mold Shrinkage (average)		ISO 294-4	%	1,8 - 2,2
Moisture Absorption (water immersion)	23oC - 24h	ISO 62	%	0,2
Melt Flow Index		ISO 1133	g/10min	-
Vicat Softening Temperature B	9,8 N	ISO 306	°C	165
Heat Deflection Temperature0,45 MPa		ISO 75-2	°C	165
Heat Deflection Temperature1,81 MPa		ISO 75-2	°C	105
Heat Resistance / Ball test		IEC 335-1 IEC 60695-10-2	°C	> 125
Continuous Use Temperature (without load)		IEC 60216	°C	80

**MECHANICAL**

Tensile Strength at Yield		ISO 527	MPa	60
Tensile Strength at Break		ISO 527	MPa	55
Tensile Modulus		ISO 527	MPa	2900
Tensile Strain at Yield		ISO 527	%	9
Tensile Strain at Break		ISO 527	%	30
Izod - Notched Impact Strength		ISO 180/A	KJ/m <sup>2</sup>	9
Izod - Unnotched Impact Strength		ISO 180/U	KJ/m <sup>2</sup>	NB

**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	GWFI - 2 mm	IEC 60695-2-12	°C	650
Glow Wire Ignition Temperature	GWFI - 2 mm	IEC 60695-2-13	°C	-

**Molding conditions (suggested)**

Drying Temperature > 3 h / 80 - 90 °C	Molding temperature 190 - 210 °C	Mold temperature 70 - 90 °C
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