



TECHNICAL DATA SHEET

DECOdur B018K6

PROPERTIES		STANDARD	UNIT	TYPICAL VALUES
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PHYSICAL & THERMAL

Density		ISO 1183	g/cm ³	1,53
Melting Point		DSC	°C	225
Mold Shrinkage (average)		ISO 294-4	%	1,3 - 1,7
Moisture Absorption (water immersion)	23oC - 24h	ISO 62	%	0,05
Melt Flow Index		ISO 1133	g/10min	-
Vicat Softening Temperature B	9,8 N	ISO 306	°C	195
Heat Deflection Temperature	0,45 MPa	ISO 75-2	°C	180
Heat Deflection Temperature	1,81 MPa	ISO 75-2	°C	80
Heat Resistance / Ball test		IEC 335-1 IEC 60695-10-2	°C	> 165
Continuous Use Temperature (without load)		IEC 60216	°C	130

MECHANICAL

Tensile Strength at Yield		ISO 527	MPa	-
Tensile Strength at Break		ISO 527	MPa	75
Tensile Modulus		ISO 527	MPa	4500
Tensile Strain at Yield		ISO 527	%	3,5
Tensile Strain at Break		ISO 527	%	6,5
Izod - Notched Impact Strength		ISO 180/A	KJ/m ²	4
Izod - Unnotched Impact Strength		ISO 180/U	KJ/m ²	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 / 100 - 110 °C	Molding temperature 235 - 260 °C	Mold temperature 70 - 90 °C
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