

Technical Datasheet

KR7212

Description

PA 6 natural

<u>Physical & Thermal</u>			
Density	1,14	g/cm	ISO 1183
Melting Point	222	°C	DSC
Mold Shrinkage (average)	1,0 - 1,4	%	-
Moisture Absorption	2,0	%	ISO 62
Meld Flow Index	-	g/10min	ISO 1133
Vicat Softening Temperature B 9,9 N	206	°C	ISO 306
Heat Deflection Temperature 0,45 MpA	180	°C	ISO 72-2
Heat Deflection Temperature 1,81 Mpa	80	°C	ISO 75-2
Heat Resistance / Ball test	> 165	°C	IEC 335-1 / IEC-60695-10-2
Continuous use temperature (without load)	80	°C	-

<u>Mechanical</u>			
Tensile Strenght at Yield	85	MPa	ISO 527
Tensile strenght at Break	-	MPa	ISO 527
Tensile Modulus	2900	MPa	ISO 527
Tensise Strain at Yield	5,0	%	ISO 527
Tensile strain at Break	70,0	%	ISO 527
Izod - Noched Impact Strenght	5,5	KJ/m	ISO 180/A
Izod - Unnotched Impact Strenght	-	KJ/m	ISO 180/U

<u>Electrical & Flame retardancy</u>			
Comparative Tracking Index (CTI)	> 600	V	IEC 60112
Flammability 3,0/1,5/0,8 mm	V2	-	UL94
Glow Wire Flammability Index GWFI-2mm	825	°C	IEC 60695-2-12
Glow Wire Ignition Temperature GWIT-2mm	750	°C	IEC 60695-2-13

<u>Molding conditions</u>		
Drying temperature	≥ 3 h / 90 - 100 °C	
Molding temperature	230 - 250 °C	
Mold temperature	70 - 80 °C	

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