

## Technical Datasheet

## KR7230

### Description

**PA6 15% GF nature**

<b><u>Physical &amp; Thermal</u></b>			
Density	1,25	g/cm	ISO 1183
Melting Point	222	°C	DSC
Mold Shrinkage ( average )	0,6 - 1,0	%	-
Moisture Absorption	1,10	%	ISO 62
Meld Flow Index	-	g/10min	ISO 1133
Vicat Softening Temperature B 9,9 N	215	°C	ISO 306
Heat Deflection Temperature 0,45 Mpa	215	°C	ISO 72-2
Heat Deflection Temperature 1,81 Mpa	203	°C	ISO 75-2
Heat Resistance / Ball test	> 165	°C	IEC 335-1 / IEC-60695-10-2
Continuous use temperature ( without load )	110	°C	-

<b><u>Mechanical</u></b>			
Tensile Strength at Yield	130	MPa	ISO 527
Tensile strength at Break	130	MPa	ISO 527
Tensile Modulus	7000	MPa	ISO 527
Tensile Strain at Yield	4,0	%	ISO 527
Tensile strain at Break	4,0	%	ISO 527
Izod-Notched Impact Strength	8,0	KJ/m	ISO 180/A
Izod- Unnotched Impact Strength	45	KJ/m	ISO 180/U

<b><u>Electrical &amp; Flame retardancy</u></b>			
Comparative Tracking Index ( CTI )	500	V	IEC 60112
Flammability 3,2/1,6/0,8 mm	HB	-	UL94
Glow Wire Flammability Index GWFI-2mm	650	°C	IEC 60695-2-12
Glow Wire Ignition Temperature GWIT-2mm	-	°C	IEC 60695-2-13

<b><u>Molding conditions</u></b>		
Drying temperature	≥ 3 h / 90 - 100 °C	
Molding temperature	230 - 260 °C	
Mold temperature	70 - 90 °C	

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