

KOPA® KN133G15BRN

Polyamide 6

Kolon Plastics, Inc.

Message:

Dimensionally stable, Polyamide6 Compound resin

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Features	Good dimensional stability		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	125	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2
Flexural Modulus (23°C)	5000	MPa	ISO 178
Flexural Stress (23°C)	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	185	°C	ISO 75-2/A
Melting Temperature	225	°C	ISO 11357-3
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	80 - 100	°C	
Drying Time - Desiccant Dryer	4.0 - 5.0	hr	
Suggested Max Moisture	< 0.050	%	
Rear Temperature	230	°C	
Middle Temperature	240	°C	
Front Temperature	245	°C	
Nozzle Temperature	250	°C	
Mold Temperature	60 - 80	°C	

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Recommended distributors for this material

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