

KOPA® KN133G20BK

Polyamide 6
Kolon Plastics, Inc.

Message:

KOPA® KN133G20BK is a Polyamide 6 (Nylon 6) product filled with 20% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America. Characteristics include:
Flame Rated
Medium Viscosity

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Medium Viscosity		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.70 to 1.0	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.40	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	137	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	7.0	%	ASTM D638
Flexural Modulus (23°C)	6420	MPa	ASTM D790
Flexural Strength (23°C)	217	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	66	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648A
0.45 MPa, Unannealed	210	°C	
1.8 MPa, Unannealed	195	°C	
Peak Melting Temperature	220	°C	ASTM D3418
CLTE - Flow	3.0E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	21	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.60		ASTM D150
Arc Resistance	130	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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