

KOPA® KN133G50BL

Polyamide 6
Kolon Plastics, Inc.

Message:

KOPA®KN133G50BL is a polyamide 6 (nylon 6) product, which contains a 50% glass fiber reinforced material. It is available in North America, Latin America, Europe or Asia Pacific.
Features include:
flame retardant/rated flame
ROHS certification

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.40 - 0.50	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.30	%	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)	214	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	7.5	%	ASTM D638
Flexural Modulus (23°C)	13300	MPa	ASTM D790
Flexural Strength (23°C)	334	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	212	°C	ASTM D648
1.8 MPa, not annealed	210	°C	ASTM D648
Peak Melting Temperature	220	°C	ASTM D3418
CLTE - Flow	3.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (23°C)	21	kV/mm	ASTM D149
Dielectric Constant (23°C, 1 MHz)	3.00		ASTM D150
Arc Resistance	130	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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