

KOPA® KN133HB40RRBN

Polyamide 6
Kolon Plastics, Inc.

Message:

KOPA® KN133HB40RRBN is a Polyamide 6 (Nylon 6) product. It is available in Asia Pacific, Europe, Latin America, or North America.
Characteristics include:
Flame Rated
Good Dimensional Stability
Good Weather Resistance
Heat Resistant

General Information			
Features	Good Dimensional Stability		
	Good Weather Resistance		
	High Heat Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.30	%	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)	128	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	7.0	%	ASTM D638
Flexural Modulus (23°C)	7500	MPa	ASTM D790
Flexural Strength (23°C)	211	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648A
0.45 MPa, Unannealed	205	°C	
1.8 MPa, Unannealed	190	°C	
Peak Melting Temperature	220	°C	ASTM D3418
CLTE - Flow	4.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	22	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.50		ASTM D150
Arc Resistance	136	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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