

KOPA® KN153HB40BL

Polyamide 6
Kolon Plastics, Inc.

Message:

KOPA® KN153HB40BL 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
Heat Resistant

General Information			
Features		Good Dimensional Stability High Heat Resistance	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.040	%	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)	129	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	6.0	%	ASTM D638
Flexural Modulus (23°C)	7820	MPa	ASTM D790
Flexural Strength (23°C)	200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	58	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	203	°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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