

KOPA® KN353HIBL

Polyphenylene Ether + Nylon 66

Kolon Plastics, Inc.

Message:

KOPA® KN353HIBL is a Polyphenylene Ether + Nylon 66 (PPE+Nylon 66) product. It is available in Asia Pacific, Europe, Latin America, or North America. Characteristics include:
Flame Rated
Heat Resistant
Impact Resistant
Medium Viscosity

General Information			
Features	Good Impact Resistance		
	High Heat Resistance		
	Medium Viscosity		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.6 to 1.8	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	1.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	59.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	40	%	ASTM D638
Flexural Modulus (23°C)	2260	MPa	ASTM D790
Flexural Strength (23°C)	96.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	250	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648A
0.45 MPa, Unannealed	188	°C	
1.8 MPa, Unannealed	148	°C	
Peak Melting Temperature	270 to 295	°C	ASTM D3418
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.10		ASTM D150
Arc Resistance	125	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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