

KOPA® KN173HI4

Polyamide 6
Kolon Plastics, Inc.

Message:

KOPA® KN173HI4 is a Polyamide 6 (Nylon 6) product. It is available in Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated
High Viscosity
Impact Resistant

General Information			
Features	Good Impact Resistance		
	High Viscosity		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.3 to 1.6	%	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 (Yield, 23°C)	53.0	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	300	%	ASTM D638
Flexural Modulus (23°C)	1810	MPa	ASTM D790
Flexural Strength (23°C)	79.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	160	°C	
1.8 MPa, Unannealed	65.0	°C	
Peak Melting Temperature	220	°C	ASTM D3418
CLTE - Flow	9.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.20		ASTM D150
Arc Resistance	125	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

