

KOPA® KN173HI2

Polyamide 6
Kolon Plastics, Inc.

Message:

KOPA® KN173HI2 is a Polyamide 6 (Nylon 6) product. It is available in Asia Pacific, Europe, Latin America, or North America. Applications of KOPA® KN173HI2 include automotive and engineering/industrial parts.

Characteristics include:

- Flame Rated
- High Viscosity
- Impact Resistant
- Lubricated

General Information			
Additive	Lubricant		
Features	Good Impact Resistance		
	High Viscosity		
Uses	Automotive Applications		
	Industrial Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.3 to 1.6	%	ASTM D955
Water Absorption (Equilibrium)	1.3	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	59.0	MPa	ASTM D638
Tensile Elongation (Yield)	250	%	ASTM D638
Flexural Modulus	2060	MPa	ASTM D790
Flexural Strength	88.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	250	J/m	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	
Melting Temperature	215	°C	
CLTE - Flow	1.0E-4	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

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Recommended distributors for this material

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