

KOPLA PA6 KNP1000

Polyamide 6

KOPLA Co., Ltd.

Message:

KOPLA PA6 KNP1000 is a Polyamide 6 (Nylon 6) material. It is available in Asia Pacific for injection molding.

Important attributes of KOPLA PA6 KNP1000 are:

Flame Rated

Low Viscosity

Typical applications include:

Electrical/Electronic Applications

Engineering/Industrial Parts

General Information			
Features	Low Viscosity		
Uses	Belts/Belt Repair		
	Bobbins		
	Connectors		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.0 to 1.6	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.7	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	73.5	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	120	%	ASTM D638
Flexural Modulus (23°C)	2550	MPa	ASTM D790
Flexural Strength (23°C)	108	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	175	°C	
1.8 MPa, Unannealed	60.0	°C	
Melting Temperature	220	°C	
CLTE - Flow	8.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14 to 1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	19	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	2.80		ASTM D150

Dissipation Factor (1 MHz)	0.030		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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