

KOPLA PA6 KNR1031

Polyamide 6

KOPLA Co., Ltd.

Message:

KOPLA PA6 KNR1031 is a Polyamide 6 (Nylon 6) material filled with glass fiber. It is available in Asia Pacific.

Important attributes of KOPLA PA6 KNR1031 are:

Flame Rated

Impact Modified

Typical applications include:

Electrical/Electronic Applications

Engineering/Industrial Parts

Sporting Goods

General Information	
Filler / Reinforcement	Glass Fiber
Additive	Impact Modifier
Features	Impact Modified
Uses	Connectors
	Gears
	Sporting Goods

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30 to 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.1	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	137	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus (23°C)	6860	MPa	ASTM D790
Flexural Strength (23°C)	206	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	210	°C	
1.8 MPa, Unannealed	200	°C	
Melting Temperature	220	°C	
CLTE - Flow	3.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13 to 1.0E+15	ohms · cm	ASTM D257

Dielectric Strength	24	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	4.00		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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