

KOPLA PA6 KNG1060

Polyamide 6

KOPLA Co., Ltd.

Message:

KOPLA PA6 KNG1060 is a Polyamide 6 (Nylon 6) material filled with glass fiber. It is available in Asia Pacific. Primary attribute of KOPLA PA6 KNG1060: Flame Rated.
Typical application of KOPLA PA6 KNG1060: Automotive

General Information			
Filler / Reinforcement	Glass Fiber		
Uses	Automotive Exterior Parts		
	Automotive Interior Parts		
	Automotive Under the Hood		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.70 to 1.2	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.5	%	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)	123	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus (23°C)	4710	MPa	ASTM D790
Flexural Strength (23°C)	167	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	208	°C	
1.8 MPa, Unannealed	204	°C	
Melting Temperature	220	°C	
CLTE - Flow	5.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.80		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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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

