

KOPLA PA6 KNG1030

Polyamide 6

KOPLA Co., Ltd.

Message:

KOPLA PA6 KNG1030 is a Polyamide 6 (Nylon 6) material filled with glass fiber. It is available in Asia Pacific. Primary attribute of KOPLA PA6 KNG1030: Flame Rated.
Typical application of KOPLA PA6 KNG1030: Automotive

General Information			
UL YellowCard	E217777-526124		
Filler / Reinforcement	Glass Fiber		
Uses	Automotive Exterior Parts		
	Automotive Interior Parts		
	Automotive Under the Hood		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40 to 0.90	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.3	%	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)	172	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	7750	MPa	ASTM D790
Flexural Strength (23°C)	226	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	215	°C	
1.8 MPa, Unannealed	208	°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+15	ohms · cm	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.80		ASTM D150
Dissipation Factor (1 MHz)	0.020		ASTM D150

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

