

KOPLA PA6 KNG1090

Polyamide 6

KOPLA Co., Ltd.

Message:

KOPLA PA6 KNG1090 is a Polyamide 6 (Nylon 6) material filled with glass fiber. It is available in Asia Pacific. Primary attribute of KOPLA PA6 KNG1090: Flame Rated.
Typical application of KOPLA PA6 KNG1090: 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	1.52	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10 to 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	211	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.0	%	ASTM D638
Flexural Modulus (23°C)	11300	MPa	ASTM D790
Flexural Strength (23°C)	284	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	220	°C	
1.8 MPa, Unannealed	215	°C	
Melting Temperature	220	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	24	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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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

