

KOPLA PA66 KDG1030

Polyamide 66

KOPLA Co., Ltd.

Message:

KOPLA PA66 KDG1030 is a Polyamide 66 (Nylon 66) material filled with glass fiber. It is available in Asia Pacific. Primary attribute of KOPLA PA66 KDG1030: Flame Rated.

Typical applications include:

- Automotive
- Electrical/Electronic Applications
- Tanks

General Information	
UL YellowCard	E217777-229399
Filler / Reinforcement	Glass Fiber
Uses	Automotive Exterior Parts
	Automotive Under the Hood
	Electrical Parts
	Electrical/Electronic Applications
	Tanks

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30 to 0.80	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.70	%	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)	186	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.5	%	ASTM D638
Flexural Modulus (23°C)	8830	MPa	ASTM D790
Flexural Strength (23°C)	260	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	255	°C	
1.8 MPa, Unannealed	250	°C	
Melting Temperature	260	°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	25	kV/mm	ASTM D149

Dielectric Constant (1 MHz)	4.00		ASTM D150
Dissipation Factor (1 MHz)	0.020		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

