

KOPLA PA66 KDG1050

Polyamide 66

KOPLA Co., Ltd.

Message:

KOPLA PA66 KDG1050 is a Polyamide 66 (Nylon 66) material filled with glass fiber. It is available in Asia Pacific. Primary attribute of KOPLA PA66 KDG1050: Flame Rated.

Typical applications include:

- Automotive
- Electrical/Electronic Applications
- Tanks

General Information			
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	1.56	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10 to 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.50	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	124		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	230	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	1.5	%	ASTM D638
Flexural Modulus (23°C)	13200	MPa	ASTM D790
Flexural Strength (23°C)	314	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	260	°C	
1.8 MPa, Unannealed	253	°C	
Melting Temperature	260	°C	
CLTE - Flow	2.0E-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
Flammability	Nominal Value	Unit	Test Method

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