

KOPLA PA66 KDG1020

Polyamide 66

KOPLA Co., Ltd.

Message:

KOPLA PA66 KDG1020 is a Polyamide 66 (Nylon 66) material filled with glass fiber. It is available in Asia Pacific. Primary attribute of KOPLA PA66 KDG1020: 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	1.26	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30 to 0.80	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.90	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	137	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.5	%	ASTM D638
Flexural Modulus (23°C)	63500	MPa	ASTM D790
Flexural Strength (23°C)	206	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	83	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	250	°C	
1.8 MPa, Unannealed	240	°C	
Melting Temperature	260	°C	
CLTE - Flow	4.0E-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
Dissipation Factor (1 MHz)	0.014		ASTM D150

Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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