

KOPLA PA66 KDG1070F

Polyamide 66

KOPLA Co., Ltd.

Message:

KOPLA PA66 KDG1070F is a Polyamide 66 (Nylon 66) material filled with glass fiber. It is available in Asia Pacific.

Important attributes of KOPLA PA66 KDG1070F are:

Flame Rated

Flame Retardant

Typical applications include:

Electrical/Electronic Applications

Housings

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Flame Retardant		
Uses	Bobbins		
	Connectors		
	Housings		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50 to 1.2	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.60	%	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)	152	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	8340	MPa	ASTM D790
Flexural Strength (23°C)	211	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	88	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	245	°C	
Melting Temperature	260	°C	
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	22	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.00		ASTM D150

Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

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