

KOPLA PA66 KDP1000F

Polyamide 66

KOPLA Co., Ltd.

Message:

KOPLA PA66 KDP1000F is a Polyamide 66 (Nylon 66) material. It is available in Asia Pacific.

Important attributes of KOPLA PA66 KDP1000F are:

Flame Rated

Flame Retardant

Typical application of KOPLA PA66 KDP1000F: Electrical/Electronic Applications

General Information			
UL YellowCard	E217777-229398		
Features	Flame Retardant		
Uses	Bobbins		
	Connectors		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.5 to 2.2	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.0	%	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)	78.5	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	30	%	ASTM D638
Flexural Modulus (23°C)	2940	MPa	ASTM D790
Flexural Strength (23°C)	113	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	49	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	235	°C	
1.8 MPa, Unannealed	95.0	°C	
Melting Temperature	260	°C	
CLTE - Flow	8.0E-5	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Dielectric Strength	21	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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Recommended distributors for this material

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