

KOPLA PA66 KDP1000

Polyamide 66

KOPLA Co., Ltd.

Message:

KOPLA PA66 KDP1000 is a Polyamide 66 (Nylon 66) material. It is available in Asia Pacific for injection molding.

Important attributes of KOPLA PA66 KDP1000 are:

Flame Rated

Medium Viscosity

Typical applications include:

Electrical/Electronic Applications

Caps/Lids/Closures

Engineering/Industrial Parts

General Information			
UL YellowCard	E217777-101024112		
Features	Medium Viscosity		
Uses	Bobbins		
	Closures		
	Connectors		
	Gears		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.7 to 2.3	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.3	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	83.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	50	%	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	233	°C	
1.8 MPa, Unannealed	95.0	°C	
Melting Temperature	260	°C	
CLTE - Flow	7.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method

Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength	23	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.30		ASTM D150
Dissipation Factor (1 MHz)	0.030		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94

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