

KOPLA PA66 KDP1200

Polyamide 66

KOPLA Co., Ltd.

Message:

KOPLA PA66 KDP1200 is a Polyamide 66 (Nylon 66) material. It is available in Asia Pacific.

Important attributes of KOPLA PA66 KDP1200 are:

Flame Rated

Heat Stabilizer

Typical applications include:

Electrical/Electronic Applications

Caps/Lids/Closures

Engineering/Industrial Parts

General Information			
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Uses	Bobbins		
	Closures		
	Connectors		
	Gears		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.5 to 2.2	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.3	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	81.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	60	%	ASTM D638
Flexural Modulus (23°C)	30000	MPa	ASTM D790
Flexural Strength (23°C)	118	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	54	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	232	°C	
1.8 MPa, Unannealed	90.0	°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	22	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.20		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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