

KOPLA PA66 KDT1030

Polyamide 66

KOPLA Co., Ltd.

Message:

KOPLA PA66 KDT1030 is a Polyamide 66 (Nylon 66) material filled with mineral. It is available in Asia Pacific.

Important attributes of KOPLA PA66 KDT1030 are:

Flame Rated

Good Dimensional Stability

Typical applications include:

Engineering/Industrial Parts

Housings

General Information			
Filler / Reinforcement	Mineral		
Features	Good Dimensional Stability		
Uses	Bushings		
	Housings		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.60 to 1.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.70	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	125		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	78.5	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.5	%	ASTM D638
Flexural Modulus (23°C)	4220	MPa	ASTM D790
Flexural Strength (23°C)	127	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	250	°C	
1.8 MPa, Unannealed	230	°C	
Melting Temperature	260	°C	
CLTE - Flow	5.0E-5	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149

Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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