

KOPLA PA66 KDG1030ST

Polyamide 66

KOPLA Co., Ltd.

Message:

KOPLA PA66 KDG1030ST is a Polyamide 66 (Nylon 66) material filled with glass fiber. It is available in Asia Pacific.

Important attributes of KOPLA PA66 KDG1030ST are:

Flame Rated

Clarity

Typical applications include:

Automotive

Electrical/Electronic Applications

Tanks

General Information	
Filler / Reinforcement	Glass Fiber
Features	High Clarity
Uses	Automotive Exterior Parts
	Automotive Under the Hood
	Electrical Parts
	Electrical/Electronic Applications
	Tanks

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30 to 0.80	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.70	%	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)	186	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	9410	MPa	ASTM D790
Flexural Strength (23°C)	265	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	255	°C	
1.8 MPa, Unannealed	250	°C	
Melting Temperature	260	°C	
CLTE - Flow	3.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method

Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength	25	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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