

KOPLA PET KEG1030F

Polyethylene Terephthalate

KOPLA Co., Ltd.

Message:

KOPLA PET KEG1030F is a Polyethylene Terephthalate (PET) material filled with glass fiber. It is available in Asia Pacific.

Important attributes of KOPLA PET KEG1030F are:

Flame Rated

Flame Retardant

Typical applications include:

Electrical/Electronic Applications

Automotive

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Flame Retardant		
Uses	Automotive Under the Hood		
	Bobbins		
	Electrical Parts		
	Wheels		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.65	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20 to 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	137	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.0	%	ASTM D638
Flexural Modulus (23°C)	9810	MPa	ASTM D790
Flexural Strength (23°C)	196	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	245	°C	
1.8 MPa, Unannealed	220	°C	
Melting Temperature	255	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	25	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.50		ASTM D150
Arc Resistance	90.0	sec	ASTM D495

Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

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