

KOPLA PET KEG1020

Polyethylene Terephthalate

KOPLA Co., Ltd.

Message:

KOPLA PET KEG1020 is a Polyethylene Terephthalate (PET) material filled with glass fiber. It is available in Asia Pacific. Primary attribute of KOPLA PET KEG1020: Flame Rated.
Typical applications include:
Electrical/Electronic Applications
Automotive

General Information			
Filler / Reinforcement	Glass Fiber		
Uses	Automotive Under the Hood		
	Bobbins		
	Electrical Parts		
	Wheels		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30 to 0.90	%	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)	113	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	6470	MPa	ASTM D790
Flexural Strength (23°C)	167	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	240	°C	
1.8 MPa, Unannealed	210	°C	
Melting Temperature	255	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	25	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.00		ASTM D150
Arc Resistance	330	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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