

KOPLA PC KBG1020

Polybutylene Terephthalate

KOPLA Co., Ltd.

Message:

KOPLA PC KBG1020 is a Polybutylene Terephthalate (PBT) material filled with glass fiber. It is available in Asia Pacific. Primary attribute of KOPLA PC KBG1020: Flame Rated.

Typical applications include:

Electrical/Electronic Applications

Housings

General Information			
Filler / Reinforcement	Glass Fiber		
Uses	Electrical/Electronic Applications Housings		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40 to 1.2	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	108	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus (23°C)	6570	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	220	°C	
1.8 MPa, Unannealed	210	°C	
Melting Temperature	222	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength	30	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.80		ASTM D150
Arc Resistance	120	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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