

KOPLA PC KCG1020F

Polycarbonate

KOPLA Co., Ltd.

Message:

KOPLA PC KCG1020F is a Polycarbonate (PC) material filled with glass fiber. It is available in Asia Pacific.

Important attributes of KOPLA PC KCG1020F are:

Flame Rated

Flame Retardant

Typical applications include:

Electrical/Electronic Applications

Business/Office Goods

Printing Applications

General Information	
Filler / Reinforcement	Glass Fiber
Features	Flame Retardant
Uses	Business Equipment Connectors Electrical/Electronic Applications Printer Parts

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10 to 0.30	%	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)	103	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus (23°C)	5390	MPa	ASTM D790
Flexural Strength (23°C)	157	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	98	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	144	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

