

EnCom GFPC20

Polycarbonate

EnCom, Inc.

Message:

EnCom GFPC20 is a Polycarbonate (PC) material filled with 20% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding or profile extrusion. Primary attribute of EnCom GFPC20: Flame Rated.

Typical applications include:

Automotive

Business/Office Goods

General Information	
Filler / Reinforcement	Glass Fiber,20% Filler by Weight
Uses	Automotive Applications
	Business Equipment
Appearance	Black
	Colors Available
	Natural Color
Forms	Pellets
Processing Method	Injection Molding
	Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	103	MPa	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Flexural Strength	130	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	143	°C	
1.8 MPa, Unannealed, 3.18 mm	141	°C	
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm)	V-2		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



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