

EnCom GF PC05

Polycarbonate

EnCom, Inc.

Message:

EnCom GF PC05 is a polycarbonate (PC) material, which contains a 5.0% glass fiber reinforced material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is: profile extrusion molding or injection molding. The main characteristics of EnCom GF PC05 are: flame retardant/rated flame.

Typical application areas include:

Automotive Industry

business/office supplies

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 5.0% filler by weight		
Uses	Application in Automobile Field		
	Business equipment		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Profile extrusion molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	55.5	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	2380	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.18mm	138	°C	ASTM D648
1.8 MPa, unannealed, 3.18mm	128	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm)	V-2		UL 94
Additional Information			

The rating listed as Flammability Rating, UL 94, was tested in accordance to EnCom test methods.

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Recommended distributors for this material

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