

ESTACARB 0820 GF

Polycarbonate

Cossa Polimeri S.r.l.

Message:

ESTACARB 0820 GF is a Polycarbonate (PC) product filled with 10% glass fiber. It is available in Europe. Applications of ESTACARB 0820 GF include audio/video, business/office goods, electrical/electronic applications and optics/lenses.

Characteristics include:

Flame Rated

High Stiffness

Impact Resistant

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Good Impact Resistance		
	High Stiffness		
Uses	Business Equipment		
	Camera Applications		
	Optical Applications		
	Video Equipment		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	60.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	3600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	100	J/m	
23°C	120	J/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	150	°C	ASTM D1525 ¹
--	144	°C	ASTM D1525 ²
Ball Indentation Temperature	135	°C	IEC 60335-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-2		

3.20 mm	V-2		
Glow Wire Ignition Temperature (2.00 mm)	850	°C	IEC 60695-2-13
NOTE			
1.	Rate A (50°C/h), Loading 1 (10 N)		
2.	Rate A (50°C/h), Loading 2 (50 N)		

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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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