

ESTACARB 0820 GF V0-5V HF

Polycarbonate

Cossa Polimeri S.r.l.

Message:

ESTACARB 0820 GF V0-5V HF is a Polycarbonate (PC) product filled with 10% glass fiber. It is available in Europe. Applications of ESTACARB 0820 GF V0-5V HF include electrical/electronic applications and engineering/industrial parts.

Characteristics include:

Flame Rated

Halogen Free

Flame Retardant

Good Dimensional Stability

Good Processability

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Antimony Free		
	Bromine Free		
	Chlorine Free		
	Flame Retardant		
	Good Dimensional Stability		
	Good Flow		
	Good Processability		
	Good UV Resistance		
Uses	High Stiffness		
	Electrical Parts		
	Electrical/Electronic Applications		
Forms	Engineering Parts		
	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	65.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	3500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	100	J/m	
23°C	110	J/m	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	150	°C	ASTM D1525 ¹
--	147	°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-0		
3.20 mm	V-0		
Glow Wire Ignition Temperature (2.00 mm)	960	°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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