

ESTACARB PC 2020 GF V0 HF

Polycarbonate

Cossa Polimeri S.r.l.

Message:

ESTACARB PC 2020 GF V0 HF is a polycarbonate (PC) product that contains 10% glass fiber reinforcement. It is available in Europe. ESTACARB PC 2020 GF V0 HF applications include electrical/electronic applications and engineering/industrial accessories.

Features include:

flame retardant/rated flame

Flame Retardant

Good processability

Hard

Good dimensional stability

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	Good UV resistance		
	Workability, good		
	Good liquidity		
	Halogen-free		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Engineering accessories		
Forms	Particle		
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)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 - 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	64.0	MPa	ASTM D638
Tensile Elongation (Yield)	3.5	%	ASTM D638
Flexural Modulus	3600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	70	J/m	ASTM D256
23°C	80	J/m	ASTM D256
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 60598-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		UL 94
3.20 mm	V-0		UL 94
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
Additional Information			
Note: Ball Indention Temperature, IEC 60598-1 was tested in accordance with IEC 695-1-2.Ball Pressure Test, IEC 335-1, 105°C: yes			
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	250 - 270	°C	
Mold Temperature	60.0 - 90.0	°C	
Injection Rate	Moderate		
Injection instructions			
Injection Pressure: Medium			
NOTE			
1.	压力1 (10N)		
2.	载荷2 (50N)		

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