

ESTACARB 0501

Polycarbonate

Cossa Polimeri S.r.l.

Message:

ESTACARB 0501 is a Polycarbonate (PC) product. It can be processed by extrusion or injection molding and is available in Europe. Applications of ESTACARB 0501 include housings, packaging, plumbing/piping/potable water and sheet.

Characteristics include:

Flame Rated

Impact Resistant

General Information			
Features	Good Impact Resistance		
Uses	Housings		
	Packaging		
	Piping		
	Profiles		
	Sheet		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	62.0	MPa	
Break	60.0	MPa	
Tensile Elongation (Break)	> 50	%	ASTM D638
Flexural Modulus	2500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	500	J/m	
23°C	600	J/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	150	°C	ASTM D1525 ¹
--	145	°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	HB		
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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