

ESTACARB 1601

Polycarbonate
Cossa Polimeri S.r.l.

Message:

ESTACARB 1601 is a Polycarbonate (PC) product. It is available in Europe. Applications of ESTACARB 1601 include business/office goods, automotive, household applications and lighting applications.

Characteristics include:

Flame Rated
High Flow
Impact Resistant

General Information			
Features	General Purpose		
	High Flow		
	High Impact Resistance		
Uses	Automotive Applications		
	General Purpose		
	Household Goods		
	Lighting Fixtures		
	Stationary Supplies		
	Writing Instruments		
Appearance	Clear/Transparent		
	Opaque		
Forms	Pellets		
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)	20	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
--	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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