

# ESTACARB 0400 OPALE

Polycarbonate  
Cossa Polimeri S.r.l.

Message:

ESTACARB 0400 OPALE is a Polycarbonate (PC) product. It can be processed by extrusion or injection molding and is available in Europe. Applications of ESTACARB 0400 OPALE include electrical/electronic applications and engineering/industrial parts.

Characteristics include:

Flame Rated

Clarity

General Information			
Features	High Clarity		
Uses	Electrical/Electronic Applications		
	Engineering Parts		
Appearance	Pearl		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	5.0	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 <sup>1</sup>
--	145	°C	ASTM D1525 <sup>2</sup>
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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Recommended distributors for this material

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