

Cossa Polimeri ESTACARB 1601 OPALE Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Molded

Material Notes:

Polycarbonate for injection molding Opal, light diffusive Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTACARB-1601-OPALE-Polycarbonate.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ASTM D 792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D 955
Melt Flow	17 g/10 min	17 g/10 min	ASTM D 1238
	@Load 1.20 kg, Temperature 300 °C	@Load 2.65 lb, Temperature 572 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	ASTM D 638
Tensile Strength, Yield	62.0 MPa	8990 psi	ASTM D 638
Elongation at Break	>= 50 %	>= 50 %	ASTM D 638
Flexural Modulus	2.50 GPa	363 ksi	ASTM D 790
Izod Impact, Notched	1.00 J/cm	1.87 ft-lb/in	ASTM D 638
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	1.20 J/cm	2.25 ft-lb/in	ASTM D 256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Hot Ball Pressure Test	135 °C	275 °F	I.E.C. 335-1
Vicat Softening Point	145 °C	293 °F	50°C/hr; ASTM D 1525
	@Load 5.00 kg	@Load 11.0 lb	
	150 °C	302 °F	50°C/hr; ASTM D 1525
	@Load 0.999 kg	@Load 2.20 lb	
Flammability, UL94	V-2	V-2	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-2	V-2	

Thermal Properties	Metric @ Thickness 3.20 mm	English @ Thickness 0.126 in	Comments
Glow Wire Test	850 °C @Thickness 2.00 mm	1560 °F @Thickness 0.0787 in	I.E.C. 695-2-1

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