

Engineered Plastics EPPC 314C Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Unreinforced, Flame Retardant

Material Notes:

Clear; extrusion/blow molding grade. Property values below represent typical values. Information provided by Engineered Plastics Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Engineered-Plastics-EPPC-314C-Polycarbonate.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ASTM D792
Melt Flow	3.0 g/10 min	3.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.0 MPa	8990 psi	ASTM D638
Elongation at Break	125 %	125 %	ASTM D638
Flexural Modulus	2.34 GPa	339 ksi	ASTM D790
Izod Impact, Notched	7.50 J/cm	14.1 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	160 °C	320 °F	Annealed; ASTM D648
	170 °C	338 °F	Unannealed; ASTM D648
Vicat Softening Point	155 °C	311 °F	ASTM D1525
Flammability, UL94	V-2	V-2	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-2	V-2	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Optical Properties	Metric	English	Comments
Transmission, Visible	80 %	80 %	Clear, but not quantified

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