

PolyOne Edgetek® COC BLEND-15GF Natural Cyclic Olefin Copolymer (COC)

Category : Polymer , Thermoplastic , Cyclo Olefin Polymer

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-COC-BLEND-15GF-Natural-Cyclic-Olefin-Copolymer-COC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	75.8 MPa	11000 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	1.5 %	1.5 %	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	5.49 GPa	796 ksi	5.1 mm/min; ASTM D638
Flexural Strength	121 MPa	17500 psi	1.3 mm/min; ASTM D790
Flexural Modulus	5.17 GPa	750 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	0.430 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	0.806 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 °C	219 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	98.0 °C	208 °F	Unannealed; ASTM D648

Descriptive Properties	Value	Comments
Filler / Reinforcement	Glass Fiber Reinforcement	
Forms	Pellets	
Generic Material	COC	
Generic Name	Cyclic Olefin Copolymer (COC)	
Regional Availability	Africa & Middle East	
	Asia Pacific	

Descriptive Properties	Value	Comments
	North America	
	South America	

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