

Zeon Chemicals Zeonex® E48R Cyclo-Olefin Polymer

Category : Polymer , Thermoplastic , Cyclo Olefin Polymer

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zeon-Chemicals-Zeonex-E48R-Cyclo-Olefin-Polymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc	1.01 g/cc	
Water Absorption	<= 0.010 %	<= 0.010 %	
Melt Flow	21 - 29 g/10 min @Load 2.16 kg, Temperature 280 °C	21 - 29 g/10 min @Load 4.76 lb, Temperature 536 °F	Z-011A

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	72.00 MPa	10440 psi	
Elongation at Yield	10 %	10 %	
Tensile Modulus	2.50 GPa	363 ksi	
Flexural Strength	106 MPa	15400 psi	
Flexural Modulus	2.50 GPa	363 ksi	
Izod Impact, Notched	0.206 J/cm	0.386 ft-lb/in	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	>= 135 °C	>= 275 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.53	1.53	
Yellow Index	<= 0.80 %	<= 0.80 %	Z-004A
Transmission, Visible	92 %	92 %	

Descriptive Properties	Value	Comments
Colored Pellet Content (Black Spots) (pcs/500g)	0	

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