

## Goodfellow Topas® Cyclo-olefin copolymer

Category : Polymer , Thermoplastic , Cyclo Olefin Polymer

### Material Notes:

Information provided by Goodfellow.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Goodfellow-Topas-Cyclo-olefin-copolymer.php](http://www.lookpolymers.com/polymer_Goodfellow-Topas-Cyclo-olefin-copolymer.php)

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in <sup>3</sup>	
Water Absorption	<= 0.010 %	<= 0.010 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	66.0 MPa	9570 psi	
Elongation at Break	3.0 %	3.0 %	
Tensile Modulus	3.10 GPa	450 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	60.0 µm/m-°C	33.3 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	0.160 W/m-K	1.11 BTU-in/hr-ft <sup>2</sup> -°F	
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	
Flammability, UL94	HB	HB	

Optical Properties	Metric	English	Comments
Refractive Index	1.53	1.53	
Transmission, Visible	92 - 94 %	92 - 94 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	
Surface Resistivity per Square	1.00e+14 ohm	1.00e+14 ohm	

Descriptive Properties	Value	Comments
Abbe number	58	

Descriptive Properties	Value	Comments
Chemical Resistance - Alcohols	Good	
Chemical Resistance - Alkalis	Good	
Chemical Resistance - Dilute Acids	Good	
Chemical Resistance - Greases and Oils	Fair-Poor	
Radiation Resistance	Good	
Resistance to Ultra-Violet	Fair-Poor	

## Contact Songhan Plastic Technology Co.,Ltd.

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