Evonik Corporation Plexiglas® 99547 White Film

Category : Polymer , Film , Thermoplastic , Acrylic (PMMA)

Material Notes:

Description: PLEXIGLAS® White Films are pure white films which are optimized for strong light diffusion in combination with high light transmittance. No internal absorption.Information provided by degussa.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Evonik-Corporation-Plexiglas-99547-White-Film.php

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	55.0 MPa	7980 psi	no direction given; ISO 527
Film Elongation at Yield, MD	4.5 %	4.5 %	no direction given; ISO 527
Tensile Modulus	2.30 GPa	334 ksi	ISO 527

Thermal Properties	Metric	English	Comments
CTE, linear	110 µm/m-°C @Temperature 20.0 °C	61.1 µin/in-°F @Temperature 68.0 °F	DIN 53752A
Specific Heat Capacity	1.50 J/g-°C	0.359 BTU/lb-°F	
Vicat Softening Point	99.0 °C	210 °F	ISO 306

Optical Properties	Metric	English	Comments
Transmission, Visible	72 % @Thickness 0.250 mm	72 % @Thickness 0.00984 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+13 ohm-cm	>= 1.00e+13 ohm-cm	IEC 250
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	IEC 250
Dissipation Factor	0.030 @Frequency 1e+6 Hz	0.030 @Frequency 1e+6 Hz	IEC 250
	0.040 @Frequency 100 Hz	0.040 @Frequency 100 Hz	IEC 250

Descriptive Properties	Value	Comments
Energy Half Angle	20°	0.25 mm

Descriptive Properties	Value	Comments
Pencil Hardness	1H	ASTM D3363

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