

Evonik Corporation Plexiglas® 99527 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-99527-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	61.1 µin/in-°F	DIN 53752A
	@Temperature 20.0 °C	@Temperature 68.0 °F	
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	54 %	54 %	
	@Thickness 0.500 mm	@Thickness 0.0197 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	0.030	IEC 250
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.040	0.040	IEC 250
	@Frequency 100 Hz	@Frequency 100 Hz	

Descriptive Properties	Value	Comments
Energy Half Angle	26°	0.5 mm

Pencil Hardness
Descriptive Properties

1H
Value

ASTM D3363
Comments

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