

Evonik CYRO Rohaglas® 99524 Clear Acrylic Film

Category : Polymer , Film , Thermoplastic , Acrylic (PMMA) , Acrylic, General Purpose, Molded

Material Notes:

ROHAGLAS® Film 99524 acrylic film, based upon polymethyl methacrylate and acrylic elastomers, offers crystal-clear optical properties with two glossy (Class A) surfaces. Its excellent abrasion resistance, combined with long-term outdoor weatherability offers outstanding performance as a decor carrier and as a substrate surface protector. ROHAGLAS 99524 film has superior processability in die-cutting and all forming processes. In addition, it presents good resistance towards weak acids and alkalis as well as non-polar solvents. Information provided by Cyro Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-CYRO-Rohaglas-99524-Clear-Acrylic-Film.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	54.0 MPa	7830 psi	ISO 527
Elongation at Break	35 %	35 %	ISO 527
Elongation at Yield	5.0 %	5.0 %	ISO 527
Tensile Modulus	2.20 GPa	319 ksi	ISO 527

Thermal Properties	Metric	English	Comments
CTE, linear	72.0 µm/m-°C @Temperature 0.000 - 50.0 °C	40.0 µin/in-°F @Temperature 32.0 - 122 °F	DIN 53752A
Specific Heat Capacity	1.50 J/g-°C	0.359 BTU/lb-°F	
Thermal Conductivity	0.190 W/m-K	1.32 BTU-in/hr-ft ² -°F	
Vicat Softening Point	100 °C	212 °F	B/50; ISO 306

Optical Properties	Metric	English	Comments
Refractive Index	1.49	1.49	ISO 489
Haze	<= 0.60 %	<= 0.60 %	ASTM D1003
Yellow Index	<= 0.40 %	<= 0.40 %	ASTM D1925
Transmission, Visible	92 %	92 %	DIN 5036
	<= 0.20 %	<= 0.20 %	

Optical Properties	Metric	English	Comments
	@Wavelength 280 - 380 nm	@Wavelength 280 - 380 nm	

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	
	0.050	0.050	IEC 250
	@Frequency 100 Hz	@Frequency 100 Hz	

Descriptive Properties	Value	Comments
Birefringence ASTM D4093	max 20 nm	
Pencil Hardness	2	ASTM D3363
Weather Resistance, Xenotest 1200/5000hr	no change	

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