

Evonik CYRO Europlex® 99710 Clear HC Transparent Film

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

Material Notes:

EUROPLEX® Film HC 99710 is a highly transparent, very efficient weather and UV protection film with excellent surface properties such as chemical resistance, anti-graffiti and dirt-repellent behavior. EUROPLEX® Film HC 99710 is based on a special polymethyl methacrylate (PMMA) formulation with weather resistance, extremely high UV absorption as well as superior printability and lamination performance. It owes these surface properties to the polyvinylidene fluoride (PVDF) layer which is fused to the PMMA substrate. Information provided by Cyro Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-CYRO-Europlex-99710-Clear-HC-Transparent-Film.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ISO 1183
Surface Tension	25 dynes/cm	25 dynes/cm	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	ISO 527
Elongation at Break	>= 50 %	>= 50 %	ISO 527
Tensile Modulus	1.20 GPa	174 ksi	ISO 527

Optical Properties	Metric	English	Comments
Haze	2.0 %	2.0 %	ASTM D1003
Yellow Index	<= 1.0 %	<= 1.0 %	ASTM D1925
Transmission, Visible	93 %	93 %	Transmittance; DIN 5036
UV Transmittance	0.19 %	0.19 %	DIN 67507

Descriptive Properties	Value	Comments
Chemical Resistance to Alcohol	no change	24h/RT Spot Test, PVDF side
Chemical Resistance to Benzene	no change	24h/RT Spot Test, PVDF side
Chemical Resistance to Ethyl Acetate	minimum change	24h/RT Spot Test, PVDF side
Chemical Resistance to Hexane	no change	24h/RT Spot Test, PVDF side
Chemical Resistance to Methyl Ethyl Ketone	no change	24h/RT Spot Test, PVDF side
Chemical Resistance to Naphtha	no change	24h/RT Spot Test, PVDF side

Descriptive Properties	Value	Comments
Chemical Resistance to THF	Minimum change	24h/RT Spot Test, PVDF side
Chemical Resistance to Toluene	no change	24h/RT Spot Test, PVDF side
Weather Resistance, Xenotest 1200/5000hr	no change	

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