

Lucky CH-910 Acrylic, Coextrusion Grade

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

Material Notes:

Coextrusion grade. May be UV stabilized. General Lucky PMMA qualities: Transparent/elegant appearance, high heat and weather resistance, excellent chemical resistance and coloring capability.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucky-CH-910-Acrylic-Coextrusion-Grade.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	ASTM D955-51
Melt Flow	1.0 g/10 min	1.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	97	97	ASTM D785
Tensile Strength, Ultimate	74.0 MPa	10700 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Yield Strength	135 MPa	19600 psi	ASTM D790
Flexural Modulus	3.30 GPa	479 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	98.0 Å°C	208 Å°F	Deflection Temp; Load not reported; ASTM D648
	98.0 Å°C	208 Å°F	Heat Distortion Temp
Vicat Softening Point	105 Å°C	221 Å°F	ASTM D1525

Optical Properties	Metric	English	Comments
Refractive Index	1.49	1.49	ASTM D542
Transmission, Visible	92 %	92 %	ASTM D1003

Electrical Properties	Metric	English	Comments
Dielectric Strength	20.0 kV/mm	508 kV/in	ASTM D149

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