

Kleerdex Elson® 405 AS DC Plate, PMMA/Acrylic, Clear Transparent (discontinued **)

Category : Polymer , Thermoplastic , Acrylic (PMMA)

Material Notes:

Information provided by Kleerdex Company. Kleerdex Company became KYDEX, LLC in 2009.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kleerdex-Elson-405-AS-DC-Plate-PMMAAcrylic-Clear-Transparent-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792; DIN 53479
Water Absorption	0.30 %	0.30 %	ASTM D570; DIN 53495

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	74.5 MPa	10800 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638; DIN 53455
Modulus of Elasticity	3.30 GPa	479 ksi	ASTM D638; DIN 53452
Flexural Yield Strength	117.7 MPa	17070 psi	ASTM D790; DIN 53455
Flexural Modulus	2.90 GPa	421 ksi	ASTM D790; DIN 53457
Izod Impact, Notched	0.203 J/cm	0.380 ft-lb/in	ASTM D256
Izod Impact, Unnotched (ISO)	2.00 kJ/m ²	0.952 ft-lb/in ²	JIS K7110

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 µm/m-°C	38.9 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Specific Heat Capacity	1.47 J/g-°C	0.351 BTU/lb-°F	ASTM C177
Thermal Conductivity	0.210 W/m-K	1.46 BTU-in/hr-ft ² -°F	ASTM C177
Deflection Temperature at 1.8 MPa (264 psi)	90.0 °C	194 °F	ASTM D648
Flammability, UL94	HB	HB	

Optical Properties	Metric	English	Comments
Refractive Index	1.49	1.49	ASTM D542
Haze	1.36 %	1.36 %	ASTM D1003

Optical Properties	Metric	English	Comments
Transmittance, Visible			Transmittance, ASTM D1003

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1.00e+6 - 1.00e+8 ohm	1.00e+6 - 1.00e+8 ohm	ASTM D257; DIN 53482
Static Decay	0.0010 sec	0.0010 sec	Electrostatic Discharge; MIL D-81715B
Dielectric Constant	3.5	3.5	ASTM D150; DIN 53483

Descriptive Properties	Value	Comments
Coating Layer Bond Strength	100/100	JIS D0202
Distinctness of image	98.1	
Pencil Hardness	H (4H-Cast)	JIS K5400

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China