



MULFORD
PLASTICS
delivering solutions

CONTINUOUS CAST ACRYLIC SHEET

Shinkolite® Continuous Cast Acrylic

Shinkolite® Acrylic is a continuous cast acrylic and has many of the excellent properties of cell cast acrylic. Continuous cast does however displays advantages over cell cast acrylic with closer thickness tolerances, longer lengths sheets, easier formability and superior optical quality.

Key Features

- Excellent Weatherability
- Tight thickness tolerance
- Better impact strength than glass (10 x greater)
- Crystal clear transparency
- Fabricated, thermoformed, polished or machined
- Easier formability - allows shorter forming cycle times
- Chemical resistance to common acids, alkalis, salt spray, petroleum oils and greases.

Product Applications


- Picture Framing
- Light diffusing panels
- Boat windscreens
- Skylight & domes
- Automotive parts – headlight protectors and bonnet protectors
- Glazing
- Fish tanks
- Safety guards


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TECHNICAL DATA SHEET

PROPERTIES	SPEC	UNIT	RESULT
Specific Gravity	ISO 1183	g/cm ³	1.19
OPTICAL Refractive index Light transmittance (Total) Haze	D542-50 ISO 13468-1 ISO 14782	 % %	1.49 93 1
MECHANICAL Tensile strength • Rupture • Elongation at rupture Flexural strength • Rupture • Modulus of elasticity Impact strength (Charpy) Rockwell hardness	ISO527-2/1 B/5 ISO527-2 ISO178 ISO179/1FU ISO 2039-2	MPa 30 MPa MPa kJ/m ²	75 % 120 3200 17 M100
THERMAL Thermo forming temperature Heat distortion temperature Coefficient of thermal expansion	ISO 75-2 JIS K7 197	°C °C cm/cm/ °C	120 ~ 160 96 7x10 ⁻⁵
ELECTRICAL SuDielectric strength, short time test Dielectric strength, short time test	IEC 93 IEC 234	ohm kv/mm	>10 ¹⁶ 20
MISCELLANEOUS Water absorption (Wt.gain on immersion for 24 hours)	ISO 62/1	%	0.3

This specification provides typical data to the best of our knowledge at the time of publishing. Due to our inability to control conditions of use and application, we are unable to make any recommendations or suggestions. Mulford International nor any of their suppliers assume any liability for use of information presented.

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