



MULFORD
PLASTICS
delivering solutions

SATIN CAST ACRYLIC SHEET

Tessematt® Satin Cast Acrylic Sheet

TESSEMATT® SATIN CAST ACRYLIC SHEET is a durable acrylic satin sheet in a unique range of vivid colours suitable for indoor and outdoor use and provides architects with design freedom enabling imaginary concepts to be realised. It is manufactured by ASTARI®, the largest cast acrylic sheet producer in the region and distributed by Mulford Plastics.

Key Features

- Abrasion Resistance
- Great light diffusing properties
- Range of colours
- Available in range of thickness and sheet sizes
- Greater Impact than glass
- Light weight
- Easily fabricated

Product Applications

- Exhibits
- Point of Purchase Displays
- Office Partitions
- Retail and Office fit out
- Signage
- Edge Lighting

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TECHNICAL DATA SHEET

PROPERTY	TEST METHOD	UNITS	TESSEMATT CAST*
GENERAL Relative Density Water Absorption	ISO 1183 ISO 62	g/cm ³ %	1.19 0.3
MECHANICAL Tensile Strength @ 23°C Elongation at Break @ 23°C Flexural Strength Flexural Modulus Impact Strength - Charpy-unnotched Izod Impact Strength, notched Rockwell Hardness	ISO 527 ISO 527 ISO 178 ISO 178 ISO 179/ I fu ISO 180/ IA ISO 2039-2	Mpa % Mpa Mpa kj.m-2 kj.m-2 M Scale	70 4 114 3200 12 1.4 95
THERMAL Vicat Softening Point Coefficient of Thermal Expansion-Linear Fammability	ISO 306 A ASTM D696 UL94	°C K ⁻¹ 	>110 7x10 ⁻⁵ HB
OPTICAL Light Transmission Refractive Index	ASTM D1003 ISO 489 A	6mm	see colour range 1.49
SOUND REDUCTION INDEX 4mm 6mm 10mm	Literature Result	dB	26 30 32
THERMAL CONDUCTIVITY	Literature Result	W / mk	0.19
TABER ABRASION Wheel type: CS10F Load grams: 500 No cycles: 100	ANSI-Z26.1	% Scatter	4
U VALUE 3mm	ASTM C1199	W / m2k	5.2 - 5.6
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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