

Clarity Redefined

OPTICAST™ is a Registered trademark of Vision Polymer Pvt Ltd for Cast Acrylic.

- ✓ 100% Virgin Material
- ✓ Excellent Light transmission
- ✓ 10 years limited warranty*

OptiCast™ by Vision AcryGlas is a premium cast acrylic sheet manufactured from 100% virgin PMMA using advanced casting technology. It delivers exceptional optical clarity, superior surface finish, consistent performance and versatility for a wide range of demanding applications.

WHY CHOOSE OPTICAST™ ?

- ✓ Optical clarity comparable to glass
- ✓ Smooth, bubble-free surface
- ✓ Excellent color consistency
- ✓ Thermoformable with ease
- ✓ Ideal for signage, displays, glazing, and more
- ✓ Backed by 10 years limited warranty*



EASY & PRECISE FABRICATION

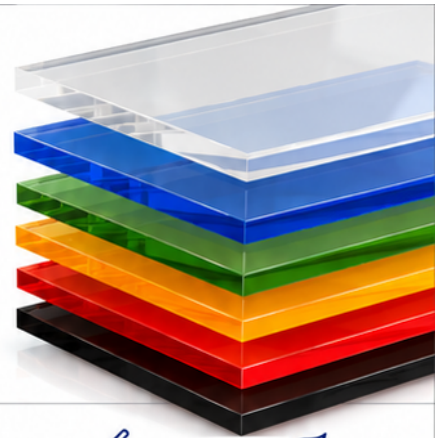


OPTICAST™

CAST ACRYLIC SHEETS

CLEAR & COLOR

Crystal Clear. Brilliant Colors. Built to Last.



EXCEPTIONAL CLARITY

High light transmission for flawless visibility



DURABLE & STRONG

Excellent impact resistance & long-lasting performance



UV STABLE

Resistant to yellowing and weathering for outdoor and indoor use



EASY TO FABRICATE

Can be cut, drilled, routed, thermoformed, bonded and polished with ease



100% VIRGIN PMMA

Consistent quality, excellent surface finish and color uniformity

AVAILABLE IN

CLEAR SHEETS



COLOR SHEETS



POPULAR COLORS



Custom colors available on request.

TYPICAL PROPERTIES OF OPTICAST™ CAST ACRYLIC SHEETS*

	PROPERTY	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE**
MECHANICAL	Specific Gravity	D 792	-	1.19
	Tensile Strength	D 638	Kg/Cm ²	658
	Elongation at Break	D 638	%	5.00
	Tensile Modulus	D 638	Kg/Cm ²	24624
	Flexural Strength	D 790	Kg/Cm ²	964
	Flexural Modulus	D 790	Kg/Cm ²	29575
	Izod Impact Strength (Notched)	D 256	J/m	21.4
	Rockwell Hardness – "R" Scale	D 785	M Scale	M-87
	Barcol Hardness	D 2583	%	47
	OPTICAL	Light Transmission (Clear)	D 1003	%
Heat Deflection Temperature		D 648	°C	87.2
THERMAL	Vicat Softening Temperature	D 1525	°C	102.9
	Flammability (Rate of Burning)	D 635	mm/min	1.6
ELECTRICAL	Dielectric Strength	D 149	Kv/mm	9.3
	Volume Resistivity	D 257	Ohm-cm	11 x 10 ¹⁵
	Surface Resistivity	D 257	Ohm	1.8 x 10 ¹⁶
OTHER	Water Absorption (24 Hrs)	D 570	%	0.20
	Odor	---	---	None
	Taste	---	---	None

Notes: (a) Test values; should not be used for specification purposes.

(b) Values shown are for 0.250" thickness. Some values will change with thickness or pigmentation.

(c) It is recommended that temperatures should not exceed 160°F for continuous service, or 190°F for short intermittent use.

* Based on 3 mm clear sheet
** Typical values

WIDE RANGE OF APPLICATIONS

