



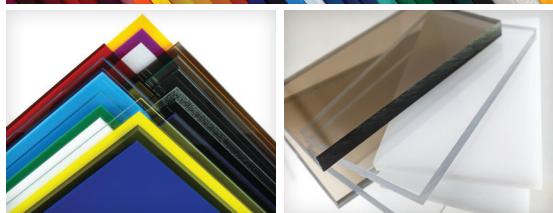
Calsak PLASTICS



ACRYCAST® CELL-CAST ACRYLIC SHEET

Production specifications for Acrycast sheet deliver the highest available levels of quality, performance, and consistency in cell cast acrylic. Our high manufacturing volume, sustained by high stocking and sales quantities through our branch network, assure our low costs and prices that keep our customers competitive and profitable.

BRILLIANT AESTHETICS
PROVEN PERFORMANCE & QUALITY
EXCEPTIONALLY COST EFFECTIVE



COLORS

- Wide range of opaque, translucent, and transparent colors in stock
- Solar and glass-green tints
- Fluorescents, translucent, and opaque colors
- Sign industry standard whites
- Virtually unlimited custom color capability

LONG-TERM AESTHETICS INDOORS AND OUT

- Crystal clear; transmits 92% of visible light
- Resists weathering and crazing outdoors
- Greater surface hardness than extruded acrylic sheet

PREDICTABLE, CONSISTENT BEHAVIOR IN PRODUCTION

- Lower, more uniform stress levels than extruded sheet
- More stable and predictable in forming and fabrication
- Thermoforms at temperatures from 280°F – 320°F
- Easily saw cut, drilled, routed, machined, bonded, cemented, fastened, and heat formed
- Laser-cuts with little to no burring

RELIABLE PERFORMANCE IN USE

- Impact strength 8-10 times that of plate glass
- More dimensionally stable than extruded sheet
- Solid all-around balance of mechanical properties
- Less than half the weight of glass for easier, safer handling

CONSISTENTLY UNBEATABLE PRICE

- Acrycast sheet couples its end-use application benefits with a cost-effective bonus for your bottom line

Distributed by:

SILVER STATE PLASTICS

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(775) 358-8211

745 E. Greg St. #6, Sparks, NV 89431
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CELL-CAST ACRYLIC SHEET

TYPICAL PROPERTIES

PROPERTY	ASTM TEST	TYPICAL VALUES	
GENERAL			
Specific Gravity	D792	1.19	
Water Absorption	D570	0.3	
Taste, Odor	-	none	
OPTICAL			
Refractive Index	D542	1.49	
Light Transmittance	D1003	92%	
MECHANICAL			
Tensile Elongation@Break	D638	4%	
Tensile Strength@Break	D638	10,810 psi	760 Kg/cm2
Flexural Strength@Break	D790	14,935 psi	1,050 Kg/cm2
Modulus of Elasticity	D790	426,700 psi	30,000 Kg/cm2
Compressive Strength@Yield	D695	17,920 psi	1,260 Kg/cm2
Shear Strength	D732	8,960 psi	630 Kg/cm2
Izod Impact Strength, Notched	D256	0.3 ft-lbs/in.	0.16 J/cm
Rockwell Hardness	D785	M100	
THERMAL			
Hot Forming Temperature	-	290-350°F	143-177°C
Heat Distortion Temp. @ 264 psi	D648	200°F	93°C
Coeff. of Linear Thermal Expansion	D696	3.9x10 ⁻⁵ in/in/°F	7x10 ⁻⁵ cm/cm/°C
Coeff. of Thermal Conductivity		4-6x10 ⁻⁴ Cal/sec/cm/°C	
Specific Heat		0.35 Cal/g/°C	
ELECTRICAL			
Volume Resistivity	D257	>399 ohm in.	>1015 ohm cm
Dielectric Strength	D149	20Kv/mm	

DISCLAIMER: Typical properties and other data are based on laboratory tests conducted on material sample configurations under conditions in accordance with standard test methodology. Properties can vary with thickness, application environment, and in-use conditions. Consequently, we make no express or implied warranty that Acrycast sheet products will perform in accordance with the properties data in specific applications. Users must test applications under actual operating conditions to determine suitability for use. As a result, all express or implied warranties in connection to products including fitness, for a particular purpose, are expressly disclaimed.

ACRYCAST SHEET COMPLIANCE SUMMARY Certifications and documents available

SDS: Safety Data Sheet

FDA: Compatible for dry food contact in accordance with CFR Title 21 parts:
177.0101; 175.200; 178.2010; 176.170

RoHS: Restrictions on Hazardous Substances

No heavy metals: i.e. cadmium, lead, mercury, chromium, PBB, PBDE or other bromine compounds used in formulation or production

Phthalate-free certification: Acrycast products contain no phthalate-based materials

ASTM: Standard Specification for Poly(Methyl Methacrylate) Acrylic Plastic Sheet

