

Plastiglas Chemcast® HI

Acrylic

Plastiglas de Mexico S.A de C.V.

Message:

What makes Chemcast® acrylic high impact sheet notably different are the additional advantages compared to the same properties of the general purpose sheet. It has a better high impact strength, chemical resistance and ease fabrication with the same equipment used for the general purpose sheet. Ideal for sign industry. It can be exposed to outside weather conditions without significant changes in appearance.

Chemcast high impact sheet is the only high quality acrylic sheet that can provide you with short runs capability and color selection to fit your specific needs.

General Information			
UL YellowCard	E220737-229611		
Features	Good Chemical Resistance		
	Good Weather Resistance		
	High Impact Resistance		
Uses	Sheet		
Appearance	Colors Available		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale, 3.00 mm)	74		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (3.00 mm)	2340	MPa	ASTM D638
Tensile Strength (3.00 mm)	42.1	MPa	ASTM D638
Tensile Elongation (Break, 3.00 mm)	2.7	%	ASTM D638
Flexural Strength (3.00 mm)	75.8 to 89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (3.00 mm)	69	J/m	ASTM D256
Gardner Impact (3.00 mm)	3.39	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	91.1	°C	ASTM D648
Continuous Use Temperature	80.0	°C	ASTM D794
Melting Temperature	140 to 180	°C	
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ASTM D542
Transmittance			ASTM D1003
-- 1	> 90.0	%	
3000 µm	> 88.0	%	
Haze			ASTM D1003

-- ²	< 10	%
3000 μm	< 12	%
NOTE		
1.	<3 mm	
2.	< 3 mm	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

