

Plastiglas Chemcast®

Acrylic

Plastiglas de Mexico S.A de C.V.

Message:

CHEMCAST® 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		
Uses	Sheet		
Appearance	Colors Available		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale, 3.00 mm)	90 to 100		ASTM D785
Barcol Hardness (3.00 mm)	50		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (3.00 mm)	2930	MPa	ASTM D638
Tensile Strength (3.00 mm)	66.2	MPa	ASTM D638
Tensile Elongation (Break, 3.00 mm)	4.5	%	ASTM D638
Flexural Strength (3.00 mm)	103 to 110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (3.00 mm)	21 to 27	J/m	ASTM D256
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
2540 µm	92.0	%	
5000 µm	92.0	%	
5590 µm	90.0	%	
12000 µm	90.0	%	
Haze	2.0	%	ASTM D1003

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