

# Plastiglas ChemUVT®

Acrylic

Plastiglas de Mexico S.A de C.V.

## Message:

What makes CHEMUVT sheet different is the resistance to degradation due to a high transmission of ultraviolet light and ease fabrication with the same equipment used for the general purpose sheet. Ideal for indoor sun tanning equipment.

CHEMUVT sheet is a high quality acrylic sheet that can provide you with transmission of ultraviolet light, resisting degradation of the radiation.

General Information			
UL YellowCard	E220737-229611		
Additive	UV Stabilizer		
Features	Good UV Resistance		
Uses	General Purpose Sheet		
Appearance	Clear/Transparent		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	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
Continuous Use Temperature	60.0	°C	ASTM D794
Melting Temperature	140 to 180	°C	
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ASTM D542
Transmittance			ASTM D1003
0.340 μm	70.0	%	
0.440 μm	90.0	%	
Haze (3000 μm)	2.0	%	ASTM D1003

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