

Plastiglas Chemcast® BR

Acrylic

Plastiglas de Mexico S.A de C.V.

Message:

CHEMCAST BR is a 1.25" (32mm) thick cell cast acrylic sheet that has been certified by Underwrites Laboratories as a bullet resistant material against medium and small power arms such as 9mm (Level I).

General Information			
Uses	Sheet		
Forms	Pellets		
Hardness	Nominal Value	Test Method	
Barcol Hardness	50	ASTM D2583	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	MPa	ASTM D638
Tensile Strength	65.5	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Flexural Strength	59.3	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	37.8	°C	ASTM D648
Continuous Use Temperature	-3.89 to 54.4	°C	ASTM D794
Optical	Nominal Value	Unit	Test Method
Transmittance	> 91.0	%	ASTM D1925
Haze	< 0.50	%	ASTM D1925
Yellowness Index	< 1.0	YI	ASTM D1925

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Recommended distributors for this material

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