

# PLEXIGLAS® Sheet Hi-Gloss C1

Polymethyl Methacrylate Acrylic

Evonik Industries AG

## Message:

PLEXIGLAS® Hi-Gloss sheets are made of acrylic containing colored or special-effect pigments. The sheets are provided with an additional perfectly smooth, high-gloss layer of clear-transparent PLEXIGLAS® that enhances the colors or special effects and makes them glow even brighter.

All colors in the PLEXIGLAS® sales range (Silver, Interference, Gold, Metallic and Multicolor Pigments) are suitable for high-gloss, eye-catching applications.

Hi-Gloss C1 grades have a colored acrylic layer on one side and a clear-transparent PLEXIGLAS® core. Applications: - Kitchens (alcove paneling)

Baths and spas (shower partitions)

Living rooms (wall design)

Interior design (hotels, restaurants, offices...)

Exhibition booths, furniture, store fixtures

Façade construction

Displays - Lampshades

General Information			
Features	Excellent appearance		
	Highlight		
	Low temperature resistance		
	Good chemical resistance		
	Good weather resistance		
	Heat resistance, high		
	High hardness		
Uses	Displays		
	Furniture		
	Mineral spring recuperation supplies		
	Decorative parts		
Appearance	Unspecified Color		
Forms	Sheet		
Processing Method	Co-extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm <sup>3</sup>	ISO 1183
Water absorption-24h/23C	40.0	mg	ISO 62
Maximum Service Temperature		°C	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup>	77.0	MPa	ISO 527-2/5
Nominal Tensile Strain at Break	7.6	%	ISO 527-2/1B/5
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	16	kJ/m <sup>2</sup>	ISO 179/1fU
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	109	°C	ISO 306/B
Additional Information			
Resistance to chemicals : 5 test media (EN 263)			
Resistance to high and low temperatures : > 105°C (EN 263)			
Resistance to wet and dry cycling : 20 cycles (EN 263)			
NOTE			
1.	Type 1B		

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