

PLEXIGLAS® Sheet Multicolored

Polymethyl Methacrylate Acrylic

Evonik Industries AG

Message:

Multicolored PLEXIGLAS® is a solid acrylic sheet material consisting of two or three layers. The individual layers can be transparent, translucent or opaquely colored. Combinations of these options are also possible.

Our special manufacturing process offers the following variations, among others:

one surface with a piano lacquer effect - smooth or satin surfaces

a transparent intermediate layer

a colored intermediate layer

individual house colors Applications: - Kitchens (niche panels)

Living rooms (wall design)

Interior design in hotels, restaurants, offices...

Exhibition booths, furniture, store fixtures

Façade construction

Displays

Illuminated shelves

General Information			
Features	Good Impact Resistance		
	Good Weather Resistance		
	High Hardness		
	Low Molecular Weight		
	Recyclable Material		
Uses	Displays		
	Furniture		
	Wall Panels		
Appearance	Colors Available		
Forms	Sheet		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Water Absorption ¹	38.0		ISO 62
Cold Bend	330 x thickness		
Maximum Service Temperature	70	°C	
Fire Rating			
--	E		EN 13501-1
--	B2		DIN 4102
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 961/30)	175	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3300	MPa	ISO 527-2

Tensile Stress	72.0	MPa	ISO 527-2
Tensile Strain (Break)	4.5	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	15	kJ/m ²	ISO 179/1fU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	103	°C	ISO 306/B
NOTE			

1. Method 1

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