

PLEXIGLAS® Sheet Mineral NF

Polymethyl Methacrylate Acrylic

Evonik Industries AG

Message:

PLEXIGLAS® Mineral NF is a modern mineral material (a combination of acrylic resin and mineral filler) whose attractive large sheet sizes open up new possibilities. PLEXIGLAS® Mineral NF is supplied complete with an elegant satin or gloss surface. Applications: Owing to these properties, PLEXIGLAS® Mineral NF is suitable for both horizontal and vertical applications in indoor and outdoor areas. Indoors:

Wall panels/wall protection

Wet rooms: bathrooms and spas

Shelves, window sills, furniture

Displays, signs

Platforms

Outdoors:

Facades/wall paneling

Window sill and decor profiles

Objects of all kinds

General Information			
Additive	Flame Retardant		
Features	Cleanable		
	Excellent Printability		
	Flame Retardant		
	Good Chemical Resistance		
	Good Weather Resistance		
	High Gloss		
	Low to No Water Absorption		
Uses	Displays		
	Furniture		
	Spas		
	Wall Panels		
	Windows & Doors		
Appearance	Unspecified Color		
Forms	Sheet		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	1.74	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹	> 21.0	MPa	ISO 527-2/5
Tensile Strain (Break)	< 3.0	%	ISO 527-2/1B/5
Flexural Modulus	> 5800	MPa	ISO 178
Flexural Stress	> 50.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	> 105	°C	ISO 306/B
CLTE - Flow	4.0E-5	cm/cm/°C	DIN 53752-A
Heat Deflection Temperature	100 to 108	°C	ISO 75-2
Fire Rating			
--	C s1 d0		EN 13501-1
--	B1		DIN 4102
Ball Impact Resistance	> 180.00	cm	EN 483-2
Distortion			Internal Method
Crosswise	< 0.19	%	
Longitudinal	< 0.19	%	
Forming Temperature	140 to 160	°C	
	1.08 to 1.32		
	0.90 to 1.10		
	0.50 to 0.70		
Thickness Tolerance	0.72 to 0.88	cm	
Weight per Unit Area (8.00 mm)	13.9	kg/m ²	

NOTE

1. Type 1B

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Recommended distributors for this material

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