

PLEXIGLAS® Sheet Soundstop

Polymethyl Methacrylate Acrylic

Evonik Industries AG

Message:

PLEXIGLAS® Soundstop GS is a highly transparent grade of cast acrylic. Applications: These properties make PLEXIGLAS® Soundstop GS especially suitable for
noise control along roads and railways
wind barriers on bridges

General Information			
Features	Good Weather Resistance High Hardness Low Molecular Weight Recyclable Material		
Appearance	Clear/Transparent		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3300	MPa	ISO 527-2/1B/5
Tensile Stress ¹	70.0	MPa	ISO 527-2/5
Tensile Strain (Break)	5.0	%	ISO 527-2/1B/5
Flexural Stress	98.0	MPa	ISO 178
Poisson's Ratio	0.37		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	110	°C	ISO 306/B
CLTE - Flow (0 to 50°C)	7.0E-5	cm/cm/°C	DIN 53752-A
Maximum Service Temperature	70	°C	
Light Transmission - of clear- transparent elements	> 92	%	DIN 5036
Weight per Unit Area (1.50 cm)	17.8	kg/m ²	
	33 dB at 25mm		
	32 dB at 20 mm		
Weighted Sound Reduction Index	30 dB at 15 mm		EN 1793-2
NOTE			
1.	Type 1B		

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Recommended distributors for this material

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