

PLEXIGLAS® Sheet Soundstop GS CC

Polymethyl Methacrylate Acrylic

Evonik Industries AG

Message:

PLEXIGLAS® Soundstop GS CC is a highly transparent grade of cast acrylic with embedded polyamide threads. In the event of breakage due to an accident, these threads retain any sheet fragments and prevent them from falling down. Applications: These properties make PLEXIGLAS® Soundstop GS CC especially suitable for :

noise control along roads and railways

wind barriers on bridges

General Information			
Features	Impact resistance, good		
	Recyclable materials		
	Good weather resistance		
	High hardness		
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	
	32 dB at 20 mm		
	30 dB at 15 mm		
Weighted Sound Reduction Index	33 dB at 25 mm		EN 1793-2
Additional Information	Nominal Value	Unit	Test Method

Silver Retention: By means of embedded polyamide threads (EN 1794-2, Annex B)

NOTE

1. Type 1B

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Recommended distributors for this material

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