

PLEXIGLAS® Sheet Soundstop NT CC

Polymethyl Methacrylate Acrylic
Evonik Industries AG

Message:

PLEXIGLAS® Soundstop NT CC is a highly filled, non-transparent grade of 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 NT CC especially suitable for
noise control along roads and railways
wind barriers on bridges

General Information			
Features	Recyclable materials		
	Good weather resistance		
	Fill		
	High hardness		
Appearance	Available colors		
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Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Density	1.67	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7200	MPa	ISO 527-2/1B/5
Tensile Stress ¹	37.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	%	ISO 527-2/1B/5
Flexural Stress	62.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	105	°C	ISO 306/B
CLTE - Flow (0 to 50°C)	7.0E-5	cm/cm/°C	DIN 53752-A
Maximum Service Temperature	70	°C	
Weight per Unit Area (1.20 cm)	20.0	kg/m ²	
	34 dB at 15 mm		
	35 dB at 20 mm		
Weighted Sound Reduction Index	30 dB at 12 mm		EN 1793-2
Additional Information	Nominal Value	Unit	Test Method
Silver Retention: By means of embedded polyamide threads			

NOTE

1. Type 1B

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Recommended distributors for this material

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