

ACRYLITE® Sheet Soundstop NT

Acrylic

Evonik Cyro LLC

Message:

ACRYLITE® Soundstop NT CC is a highly filled, non-transparent grade of cast acrylic.

Properties

In addition to the well-known and proven properties of ACRYLITE®, such as extremely high weather resistance

ease of fabrication

high surface hardness

low weight

100% recyclability,

Applications

These properties make ACRYLITE® Soundstop NT especially suitable for

noise control along roads and railways

wind barriers on bridges

General Information			
Filler / Reinforcement	Filler		
Features	Noise reduction		
	Recyclable materials		
	Machinable		
	Good weather resistance		
	High hardness		
Appearance	Available colors		
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/B50
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	
Weighted Sound Reduction Index			EN 1793-2
1.20 cm	30.0	dB	EN 1793-2
1.50 cm	34.0	dB	EN 1793-2
2.00 cm	35.0	dB	EN 1793-2
Additional Information	Nominal Value	Unit	Test Method

Fragment retention : by means of embedded polyamide threads

NOTE

1. Type 1B

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Recommended distributors for this material

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