

# PLEXIGLAS® Sheet Soundstop XT BirdGuard

Polymethyl Methacrylate Acrylic

Evonik Industries AG

## Message:

PLEXIGLAS® Soundstop XT BirdGuard is a highly transparent grade of extruded acrylic that helps to prevent bird collisions. Applications: These properties make PLEXIGLAS® Soundstop XT BirdGuard especially suitable for noise control along roads and railways  
wind barriers on bridges

General Information			
Features	Recyclable materials		
	Good weather resistance		
	High hardness		
Appearance	Clear/transparent		
Forms	Sheet		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3300	MPa	ISO 527-2/1B/5
Tensile Stress <sup>1</sup>	70.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.0	%	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	102	°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 <sup>2</sup>	
	32 dB at 20 mm		
	33 dB at 25 mm		
Weighted Sound Reduction Index	30 dB at 15 mm		EN 1793-2
Additional Information	Nominal Value	Unit	Test Method
Protection against bird collision : by means of embedded black strips			

## NOTE

1. Type 1B

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### Recommended distributors for this material

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

