

Product Properties

	PLEXIGLAS SOUNDSTOP® NT	PLEXIGLAS SOUNDSTOP® XT / XT BIRD GUARD	PLEXIGLAS SOUNDSTOP® GS, GS CC	Test Method
Tensile strength	37 MPa	70 MPa	70 MPa	ISO 527-2/1B/5
Elongation at break	2 %	5 %	5 %	ISO 527-2/1B/5
Flexural strength	62 MPa	98 MPa	98 MPa	ISO 178
Elastic modulus	7200 MPa	3300 MPa	3300 MPa	ISO 527-2/1B/5
Apparent density	1.67 g/cm ³	1.19 g/cm ³	1.19 g/cm ³	ISO 1183
Coefficient of linear thermal expansion 0 to 50 °C	35.10 ⁻⁶ 1/K	70.10 ⁻⁶ 1/K	70.10 ⁻⁶ 1/K	DIN 53752-A
Max. permanent service temperature	70 °C	70 °C	70 °C	—
Vicat softening temperature	105 °C	102 °C	110 °C	ISO 306/B50
Light transmission of crystal-clear sheets	0 %	92 %	92 %	DIN 5036
Weighted sound reduction index DL_r				
12 mm	30 dB			EN 1793-2 / ZTV-Lsw 06
15 mm		30 dB	30 dB	EN 1793-2 / ZTV-Lsw 06
20 mm		32 dB	32 dB	EN 1793-2 / ZTV-Lsw 06
25 mm		33 dB	33 dB	EN 1793-2 / ZTV-Lsw 06