

# Product Properties

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