

PLEXIGLASS

MATERIAL		GS 233;222;209	XT 20070;29070	RESIST XT 21;31;41
PHYSICAL PROPERTIES				
Density - ISO 1183	g/cm ³	1.19	1.19	1.17;1.17; 1.16
Notched Impact strength – ISO 180/1A (IZOD)	kJ/m ²	1.6	1.6	4;5;6
Tensile Strength ISO527-2/1B/5 23°C	MPa	80	72	50;45;40
Flexural Strength ISO 178 (5mm/min) Standard specimen 80 x 10 x 4mm	MPa	115	105	85;77;69
Elongation at Break ISO 527-2 1B/5	%	5.5	4.5	-
Indentation Hardness ISO 2039-1	MPa	175	175	130;120;100
Co efficient of friction Plastic / Plastic	μ	0.8	0.8	-

FURTHER INFORMATION

Acoustical Properties				
Sound Velocity At room temperature	m/s	2700..2800	2700..2800	-
Electrical Properties				
Volume Resistivity DIN VDE0303 part 3	Ω*cm	>10 ¹⁵	>10 ¹⁵	-
Thermal Properties				
Co efficient Linear expansion 0-50°C DIN 53752-A	1/K (mm/m°C)	7*10 ⁻⁵	7*10 ⁻⁵	8*10 ⁻⁵ ; 9*10 ⁻⁵ ; 11*10 ⁻⁵
Maximum permanent Service Temperature	°C	80	70	70;70;65
Optical Properties				
Transmittance DIN 5036 Part 3	%	~92	~92	90;90;88

The above data is based on present knowledge and is given without guarantee.
Existing laws and conditions are to be respected by the user of our products.

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