

## PLASTIC SHEET PLEXIGLASS

MATERIAL	GS 233;22;209	XT 20070;29070	RESIST XT 21;31;41	Technical Data Sheet
<b>PHYSICAL PROPERTIES</b>				
Density – ISO 1183	1.19	1.19	1.17;1.17;1.16	
Notched Impact strength – ISO 180/1A	1.6	1.6	4;5;6	
Tensile Strength ISO527-2/1b/5 23°C	80	72	50;45;40	
Flexural Strength ISO 178 (5mm/min)	115	105	85;77;69	
Elongation at Break ISO 527-2 1B/5	5.5	4.5	-	
Indentation Hardness ISO 2039-1	175	175	130;120;100	
Co efficient of friction Plastic/Plastic	0.8	0.8	-	

## FURTHER INFORMATION

<b>Acoustical Properties</b>				
Sound Velocity at room temperature	m/s	2700..2800	2700..2800	-
<b>Electrical Properties</b>				
Volume Resistivity DIN VDE0303 part 3	$\Omega$ *cm	>10 <sup>15</sup>	>10 <sup>15</sup>	-
<b>Thermal Properties</b>				
Co efficient Linear expansion	1/K (mm/m°C)	7*10 <sup>-5</sup>	7*10 <sup>-5</sup>	8*10 <sup>-5</sup> ;9*10 <sup>-5</sup> ; 11*10 <sup>-5</sup>
Maximum permanent service temperature	°C	80	70	70;70;65
<b>Optical Properties</b>				
Transmittance DIN 5036 Part 3	%	~92	~92	90;90;88

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