

PVC

GENERAL			
Property	Method	Units	
Density	ASTM D1505	g/cm ³	1,45
Water absorption	EN ISO 62	%	0,1

MECHANICAL			
Property	Method	Units	
Tensile modulus	EN ISO 527	MPa	3000
Tensile strength	EN ISO 527	MPa	52
Flexural strength	EN ISO 178	MPa	77,8
Impact strength Charpy Unnotched	EN ISO 179	kJ/m ²	non-break
Impact strength Charpy Notched	EN ISO 179	kJ/m ²	9
Shore hardness D	EN ISO 868		81

THERMAL			
Property	Method	Units	
Vicat softening temperature (B 50)	EN ISO 306	°C	72
Heat Distortion temperature	EN ISO 75	°C	60
Coeff. of Linear Expansion	DIN 53752	K ⁻¹	7x10 ⁻⁵

ELECTRICAL			
Property	Method	Units	
Dielectric constant (100Hz)	DIN 53483		3,0
Dielectrical Strength	DIN IEC 60243	kV/mm	16,8
Surface Resistance	DIN IEC 60167	Ω	2x10E ¹⁴
Volume Resistivity	DIN IEC 60093	Ωxm	1,74x10 ¹⁶

FIRE RESISTANCE	
EN 13501-1	"Fire resistant"
DIN 4102	B1-B2

PROCESSING		
<input checked="" type="checkbox"/> Sawing	<input checked="" type="checkbox"/> Flame polishing	<input checked="" type="checkbox"/> Vacuum forming
<input checked="" type="checkbox"/> Drilling	<input checked="" type="checkbox"/> Diamond polishing	<input checked="" type="checkbox"/> Drape forming
<input checked="" type="checkbox"/> Milling	<input checked="" type="checkbox"/> Cold bending	<input checked="" type="checkbox"/> Glueing
<input checked="" type="checkbox"/> Lasercutting	<input checked="" type="checkbox"/> Warm bending	<input checked="" type="checkbox"/> Printing
<input checked="" type="checkbox"/> Laser engraving	<input checked="" type="checkbox"/> Oven curving	

Suggestions and data on datasheet are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.