

# TEKNOPVC

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Polyvinyl chloride

Colour - White

TEKNOPVC Sheet is a chemically foamed, rigid, light weight extruded sheet with a closed cell structure. It has has a smooth matt surface finish on both sides.

## TECHNICAL DATA

### Typical properties

Property	Test method	Units	Value
Density	DIN 53479	g/cm <sup>3</sup>	0.55-0.70
Hardness	DIN 53505	Shore 'D'	≥ 42
Water Absorption	DIN 53495	%	≤ 1.0
Tensile strength*	DIN 53455	MPa	≥ 15
Elongation at break**	DIN 53455	%	≥ 15
Modulus of elasticity	DIN 53457	MPa	900 - 1500
Impact strength Izod	ASTM D 256	KJ/ m <sup>2</sup>	≥ 9.0
Impact strength Charpy	DIN 53253	KJ/ m <sup>2</sup>	≥ 15
Flexural strength	DIN 53452	MPa	> 32
Compressive Strength at 10% Deformation	DIN 53421	MPa	> 6.5
Surface resistivity	ASTM D 257	Ω	> 1 x 10 <sup>14</sup>
Volume resistivity	ASTM D 257	Ω-cm	> 1 x 10 <sup>15</sup>
Dielectric Constant at 1 MHZ	ASTM D 150		1.56
Dielectric strength	DIN 53481	KV / cm	≥ 90
Vicat softening temperature	DIN 53460	°C	≥ 73
Heat Deflection temperature @ 1.8 MPa	DIN 53461	°C	58
Coefficient of Linear Expansion	DIN 53752	mm / m °C	0.08
Thermal conductivity	DIN 52616	W / m K	0.05 – 0.07
Flammability	BS 476 Part 7		Class 1 Y
* 15 MPa for free foam sheet with typical density 0.7 g/cc			
* 13 MPa for free foam sheet with typical density 0.55 g/cc			
** 15% for free foam sheet with typical density 0.7 g/cc			
** 13% for free foam sheet with typical density 0.55 g/cc			

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