



TECHNICAL DATASHEET

**PVC-U**

Solid Polyvinyl Chloride sheets

PROPERTY	UNIT	VALUE	STANDARD	VARIABLE
<b>General</b>				
Density	g/cm <sup>3</sup>	≈ 1,42	DIN EN ISO 1183-1	
Moisture absorption	%	< 1	EN ISO 62	
<b>Mechanical</b>				
Yield strength	MPa	50	DIN EN ISO 527	50 mm/min
Elongation at yield	%	3	DIN EN ISO 527	50 mm/min
Modulus of elasticity in tension	MPa	3000	DIN EN ISO 527	1 mm/min
Notched impact strength	kJ/m <sup>2</sup>	5	ISO 179	
Hardness shore D		76	DIN 53505	15 sec.
<b>Electrical</b>				
Specific volume resistivity	Ω*cm	>10 <sup>15</sup>	IEC 60093	
Surface resistivity	Ω	>10 <sup>13</sup>	IEC 60093	
Dielectric strength	kV/mm	27	IEC 60243-1	
Dielectric constant		3,2	IEC 60250	
Dielectric loss factor	tan	0,04	IEC 60250	10 <sup>6</sup> Hz
<b>Thermal</b>				
Vicat heat deflection temperature	°C	≈ 72	ISO 306 A/10N	50 K/h
Max. service temperature	°C	60		
<b>Fire classification</b>				
Fire rating DE		B2	DIN 4102	

The technical data given in this sheet correspond to our current state of knowledge and should not be construed as an agreement or guarantee regarding certain properties of our products. The decision on the suitability of a particular material for a specific application is up to the user. We reserve the right to modify the given data. Errors of the given data are reserved.