

Technical specification

PVC – hard

Description Good chemical resistance. Good dimensional stability. High rigidity. High impact strength. Easy to glue and has good weld ability. Electrically insulating. Heat resistant up to 90°C,

Properties	Unit	Value	Test method
Density	g/cm ³	1.36 - 1.45	53479
Limit of stretching strain	MPa	45-55	53455
Tensile strength	MPa	30-49	53455
Elongation at break	%	20-50	53455
Tensile modulus	MPa	2000-3400	53457
Flexural modulus E	MPa	2400	53457
Hardness	MPa	120	53456
Impact strength	kJ/m ³	No offence	UL 94
Glass transition temperature	°C	80	53736
Heat deflection temperature			
Method A	°C	75	ISO 75
Method B	°C	82	ISO 75
Max./Min. temperature use			
Short time	°C	80	-
Continuous	°C	60/-15	-
Thermal conductivity	W/(m · K)	0.14 – 0.18	
Specific heat capacity	J/(g · K)	1.12 – 1.17	-
Coefficient of linear expansion	10 ⁻⁵ /K	7 – 8	-
dielectric loss factor at 10 ⁶ Hz		0.009-0.017	53483
Volume resistivity	Ω · cm	>10 ¹⁶	53482
Surface resistance	Ω	>10 ¹³	53482
Dialectic strength	kV/mm	30-40	53481
Resistance to tracking	-	KA 3c	53480
Dilute acids		Resistance	
Aromatic hydrocarbons		Inconstant	
Ketones, esters		Inconstant	
Chlorinated hydrocarbons (Trichloroethylene)		Inconstant	
Fire class		V0	acc. UL 94-Standard
Water absorption at 23 °C	%	0.2	53495
Hydrolysis		Inconstant	
Weather resistance	Transp. = inconstant	White = resistance	
Moisture content in water at 23 °C	%	<0.08	53714

This specification is given by our best knowledge and might be submitted to changes.