



**PVC (Polyvinylchloride)**

**Material Specification  
 (Typical Properties)**

Mechanical

Property	Method	Units	Specification
Modulus of elasticity (tensile test)	DIN EN ISO 527	MPa	3000
Tensile strength at yield	DIN EN ISO 527	MPa	45
Elongation at break	DIN EN ISO 527	%	15
Modulus of elasticity (tensile test)	DIN EN ISO 527	MPa	3000
Notched impact strength (Charpy)	DIN EN ISO 179	kJ/m <sup>2</sup>	2
Ball indentation hardness	DIN EN ISO 2039-1	MPa	140

Electrical

Property	Method	Units	Specification
Surface resistance	IEC 60093	Ω	10 <sup>13</sup>
Specific volume resistance	IEC 60093	Ω*cm	10 <sup>15</sup>
Dielectric constant	IEC 60250		3
Dielectric strength	IEC 60243-1	kV/mm	39

Thermal

Property	Method	Units	Specification
Glass transition temperature	DIN 53765	°C	-60
Service temperature	---	°C	60-70

Disclaimer. These figures are typical values for the material and do not represent a product specification. Properties will vary depending on source of raw material, method of processing, physical form of product, direction of measurement etc.