

# PVC

Polyvinyl chloride

CNC-machined polymer: a durable, cost-effective and corrosion-resistant material.



## Material properties

Density	ISO 1183	1,42	g/cm <sup>3</sup>
Water absorption at saturation	ISO 62	0,2	%
Hygroscopicity	ISO 62	0,2	%
Tensile strength	ISO 527	30	MPa
Elongation at break	ISO 527	> 10	%
Yield strength	ISO 527	55	MPa
Elastic modulus	ISO 527	3000	MPa
Flexural strength	ISO EN 178	90	MPa
Resilience	ISO 179	No break	kJ/m <sup>2</sup>
Hardness	ISO 868	80-82 D	Shore
HDT 0.45 MPa	ISO 75	72	°C
HDT 1.8 MPa	ISO 75	80	°C
Vicat softening temperature	ISO 306	75	°C
Melting temperature	ISO 11357	78	°C
Flammability	UL94	V-0	

### Maximum dimensions

500x500x50 mm (19.7x19.7x2 in)

### Tolerances

ISO 2768-1 medium (m) class

### Applications

Material suitable for the manufacture of durable, economical and corrosion-resistant parts. Suitable for contact with foodstuffs.

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<b>Thermal conductivity (20°C)</b>	DIN 52612	<b>0,14</b>	W/mK
<b>Volumic electrical resistivity</b>	IEC 60093	<b>&gt; 10<sup>15</sup></b>	Ω*m

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