

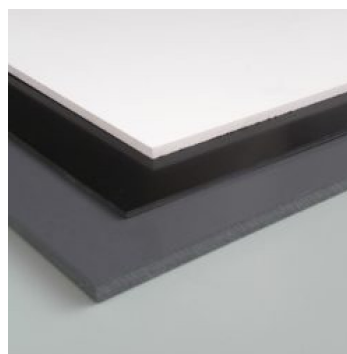
PVC

PVC Polyvinyl Chloride

Polyvinyl chloride is a thermoplastic material obtained from vinyl monomers and is one of the plastic materials of higher consumption in the world.

It is not recommended the use in the transport of polar organic compounds such as chlorinated solvents and aromatic. You can weld it and paste it.

Technical details: Raw Material polyvinyl chloride (pvc): standard color White, black Specific Gravity: 1.42



MECHANICAL PROPERTIES

Temperature of use	Density	Yield Stress	Breakdown Voltage	Modulus of elasticity (tension)	Modulus of elasticity (tension)	Modulus of elasticity (bending)	Hardness Test	Breaking Strength	Resistance Elongation	Wear Creep
C°	g/cm³	Mpa	Mpa	%	MPa	MPa	MPa	MPa	μ/km	
	1,42	55	30		3000			30	18	

THERMAL PROPERTIES

Melting Temperature	Glass Transition Temperature	Hot Dimensional Stability (met. A)	Hot Dimensional Stability (met. B)	Use Temperature Limit	Thermal Conductivity	Heat Capacity	Coefficient of Thermal Expansion
C°	C°	C°	C°	C°	W/K.m	J/K.m	10 1/K
86	75			60	0,14		8

ELECTRICAL PROPERTIES

Constant Dielectric	Dielectric Loss Factor	Specific Bulk Resistivity	Surface Resistivity	Rigidity Dielectric	Resistance to Leakage Current
abs	Tan δ	Ω.cm	Ω	kV/mm	class
3	0,01	10 ¹³	10 ¹³	35	KC 350

VARIOUS PROPERTIES

Moisture Absorption	Water Absorption until Saturation	Specific Bulk Resistivity
%	%	
0,2	0,2	VO