

PVC hard / PVC-U Datasheet

Polyvinyl chloride hard

Polyvinyl chloride hard	PVC hard / PVC-U		
Property	Minimum	Maximum	Unit
Young's Modulus	2410	4140	MPa
Tensile Strength	34.5	62	MPa
Elongation	2	40	%
Compressive strength	55	90	MPa
Fatigue	7	8	MPa
Impact strength	0.22	1	J/cm
Thermal expansion	50	80	e-6/K
Thermal conductivity	0.126	0.293	W/m.K
Specific heat	840	1170	J/kg.K
Vicat	80	80	C
Melting temperature	Amorphou	Amorphou	C
Glass temperature	80	90	C
Service temperature	-10	70	C
Density	1350	1550	kg/m3
Resistivity	1E+21	5E+23	Ohm.mm2/m
Breakdown potential	16.7	51.2	kV/mm
Dielectric loss factor	0.007	0.02	
Friction coefficient	0.45	0.55	
Refraction index	1.52	1.55	
Thickness	1	9.5	mm
Shrinkage	0.2	2.5	%
Water absorption	0.07	0.4	%