



Rigid PVC

PVC Sheet conform with DIN 16927. PVC's reliable material properties play a key role in multi-faceted applications from machined parts to the construction of plant and machinery.

PVC is a weldable plastic ideally suited to industrial applications where chemical resistance and rigidity are a requirement. The properties of PVC give the material high rigidity and strength compared to other plastics and also allow it to be formable and machinable.

Key Benefits:

Excellent electrical insulating properties
 Very high chemical resistance
 Thermoformable
 Moderate impact resistance and service temperature
 Very good moisture resistance
 Good dimensional stability
 Bondable
 Self extinguishing

Applications:

Chemical storage vessels
 Tank liners and fittings
 Fume cupboards
 Pump components

Property	Conditions	Method	Units	Value
Density		ASTM D-792	g/cm ³	1.4
Rockwell hardness		ASTM D-785	R Sclae	97R
Tensile strength at yield	10mm/min	ASTM D-638	MPa	52
Tensile strength at Break	10mm/min	ASTM D-638	MPa	50
Elongation at Yield	10mm/min	ASTM D-638	%	3
Elongation at break	10mm/min	ASTM D-638	%	140
Tensile modulus of elasticity	1mm/min	ASTM D-638	MPa	2,900
Flexural strength	1.3mm/min	ASTM D-790	MPa	80
Flexural modulus	1.3mm/min	ASTM D-790	MPa	2,700
Impact falling weight	3mm sheet	ISO 6603/1 E50	J	95
Service temperature			°C	-10 to 50°C
Heat deflection temperature (HDT)		ASTM D-648	°C	65-68
Coefficient of linear thermal expansion	Load: 11Kg	D-1525	cm/cm °C	6.7x10 ⁻⁵
Thermal conductivity		D-696	W/mk	0.15

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