

technical plastic: Polyvinylchlorid (PVC hard)

application

Due to its mechanical strength and chemical resistance, PVC can be used universally, for example in tank and apparatus construction. Use in electroplating | electronics | swimming pool technology | Waste water and exhaust air systems | Industrial swing doors

storage

PVC should be stored in a dry place at a minimum of +10°C. Temperature fluctuations can cause problems during processing.

processing

PVC can be turned and milled. The quality of the surfaces depends on the cutting tools and the cutting speed. We recommend a low feed rate.

chipless working

PVC up to 2 mm can also be cut or punched with impact shears.

welding and forming

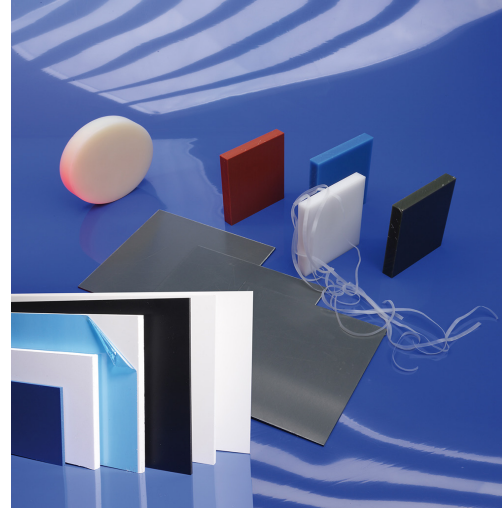
It is no problem to weld or thermally deform PVC. However, the welded joints should not be exposed to extreme loads, such as bending.

gluing

With the right adhesive, PVC can be bonded inseparably.

product range

We offer PVC as semi-finished products in various dimensions and thicknesses as sheets | solid rods.



properties	values
quality	PVC
colour	white, black, light grey, dark grey, red
hardness (Shore D) DIN EN ISO 868 (15 s)	82
gravity (g/cm ³) DIN EN ISO 1183	1,44
tensile modulus of elasticity (MPa) DIN EN ISO 527	3300
tension at yield (MPa) DIN EN ISO 527	58
elongation at yield stress (%) DIN EN ISO 527	4
notch impact strength Charpy (kJ/m ²) DIN EN ISO 179-1eA	4
dielectric strength (kV/mm) DIN IEC 60243-1	39
spec. surface resistance (Ohm) DIN IEC 60093	≥ 10 ¹³
fire behaviour DIN 4102	B1 flame retardant 1 to 4 mm
fire behaviour UL 94	UL 94 V-0 from 1 mm
fire behaviour NF P 92-501	NF P 92-501 M1 from 1 to 3 mm
fire behaviour BS 476	BS 476 class 1 to 3 mm
temperature range (C°)	0 ~ +60



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