PVC - Polyvinyl chloride

Other material names PVC: PVC-CAW, PVC rigid, PVC-U
Material group: PVC



For common applications in the liquid containment arena — ones that just need a dependable blue-collar material — PVC is the way to go. PVC sheet is a good, economical alternative to higher priced materials. Its weldability and compatibility with Type I PVC pipe saves time and money since the PVC-formed container can be directly welded to the PVC pipe, eliminating flanges or other connectors.

Color of material:

Black Gray

Typical applications:

- Tanks
- Valve bodies
- Drip trays
- Hoods and ducting
- Instrument housings
- Pump components
- Secondary containment
- Structural components





The material is used in:

Electrotechnical industry
Automobile industry
Chemical industry
Production of single-purpose machines

Features:

- Performs in applications to 60°C
- Resists mild acids, alkalis and solvents
- Has UL94 V-O Flammability Rating
- Thermoforming performance
- No moisture absorption
- Chemical- and corrosion-resistant

Material availability: Some sizes are in stock

Material properties table

Specific weight	1.42 g/cm³
Flexural strength	15 N/mm²
Tensibility	3 000 %

Impact toughness	bez zlomu
Notched toughness	>4 kJ/m²
Ball hardness	82 N/mm²
Sliding wear	50.00 um/km
Abrasive wear	920
Antistatic material	No
Electrical strength	39 kV/mm
Specific surface resistance	10^(13) Ω.cm
Thermal expansion	8 10^(-5)/K
Thermal conductivity	0.16 W/(K.m)
Permanent use temperature	0 ; 60 °C
Transient temperature of use	0 ; 70 °C
Absorbability	0,01 %
Water absorption	0,01 %
Resistance - oils	podmienečne odolný
Acid resistance	resistant
Durability - alcali	resistant
Food contact	No

Engineering plastics are supplied in the form of bars, plates, strips, tubes and sheets. From the semi-finished products the company TechPlasty has regularly in stock, we also supply blanks.

All standard and special materials are designed to meet your specific requirements. Their mechanical, thermal, and electrical properties and chemical resistance satisfy the most demanding requirements and this allows them to work even in the most difficult conditions. If you need advice when choosing the appropriate material for your application, please contact us. We'll gladly advise you. You can utilize the long-term experience of our technical advisors free-of- charge, who can visit you right in your operation and solve your requirements for engineering plastics directly at the site of their usage.

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