Jade Engineered Plastics
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PVC (Type 1)
Polyvinyl Chloride

OVERVIEW

PVC Type 1 is a versatile mechanical thermoplastic offering excellent chemical, corrosion and flame resistance. Featuring high tensile strength and hardness, cost-effective PVC is one of the world's most widely used mechanical plastics. PVC has good electrical and insulation properties and performs well within a wide temperature range. Physical specifications of PVC may be altered by the addition of plasticizers and impact modifiers to enhance specific properties.

APPLICATIONS & USES

PVC contains a wide range of performance characteristics to meet the mechanical needs required in countless applications.

- Electrical cable insulation
- Cabinetry
- Window frames
- Clean rooms
- Wood and metal replacement
- Strainers and filters
- Hubs, nuts and bolts

TECHNICAL DATA

PROPERTY	VALUE
Density (lbs/in3 | lbs/ft3)	0.0506 | 87.4
Water Absorption @ 24 Hours	0.04%
Tensile Strength (psi)	8350
Tensile Modulus (psi)	465,000
Flexural Yield Strength (psi)	8350
Flexural Modulus (psi)	398,000
Izod Notched Impact (ft-lb/in.) 0.4	0.4
Elongation at Break 5%	5%
Maximum Service Temperature	140° F
Flammability, UL94	V-0
Affixable Properties	Chem / Mech