



CT Gasket & Polymer Co., Inc.

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PVC (Polyvinyl Chloride)

PVC is a low cost general purpose plastic with a high strength to weight ratio. PVC also has good electrical properties, low moisture absorption and excellent chemical resistance. The maximum service temperature for PVC is 160° F.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	UNITS	ASTM	TYPICAL
Specific Gravity, 73° F.	-	D792	1.47
Tensile Strength, 73° F.	psi	D-638	7000
Tensile Modulus of Elast, 73° F.	psi	D-638	350,000 – 1,000,000
Elongation, 73° F.	%	D-638	50 – 150
Flexural Strength, 73° F.	psi	D-790	12,500
Flexural Modulus of Elast., 73° F.	psi	D-790	300,000 – 800,000
Shear Strength, 73 Deg. F.	psi	D-732	9240
Compressive Strength, 10% deformation	psi	D-695	10,380
Coefficient of Friction (Dry vs. Steel)	-	-	-
Tensile Impact (notched), 73° F.	ft lb/in	D-256	-
Coefficient of Linear Therm. Expansion	in/in/F.	D-696	5.6x 10(-5)
Heat Deflection Temp. @ 264 psi	Deg. F.	D-648	165
Melting Point	Deg. F.	D-789	360
Continuous Service Temp., Air, Max.	Deg. F.	-	160
Dielectric Strength	V/mil	D-149	350 – 500
Volume Resistivity	ohm-cm	D-257	10(12)
Water Absorption, Immersion - 24 hrs.	%	D-570	0.05

This information is only to assist and advise you on current technical knowledge and is given without obligation or liability.