



CT Gasket & Polymer Co., Inc.

DEL 8819 Emmott Rd, Houston, TX 77040

MAIL P.O. Box 40940, Houston, TX 77240-0940

TEL (713) 856-8667 / (800) 299-1685

FAX (713) 856-7317

WEB www.ctgasket.com

## Polypropylene

**Polypropylene, a vinyl polymer from the polyolefin family has a low density, is fairly rigid, and has a heat distortion temperature of 150° to 200° F. Polypro's outstanding characteristic is its resistance to strong acids, even at elevated temperatures. Low cost, good mechanical properties, light weight, and excellent resistance to corrosion make Polypro an excellent choice for many products in the durable and non-durable goods markets.**

### *TYPICAL PHYSICAL PROPERTIES*

PROPERTY	UNITS	ASTM	VALUE
Specific Gravity	-	D-792	1.03 – 1.10
Tensile Strength, 73° F	psi	D-638	4500
Tensile Modulus of Elasticity, 73° F	psi	D-638	16,500 – 100,000
Elongation, 73° F	%	D-638	200 - 700
Flexural Modulus of Elasticity, 73° F	psi	D-790	17,000 – 100,000
Shear Strength, 73° F	psi	D-732	5710
Compressive Strength	psi	D-1822	6720
Compressive Modulus of Elasticity	psi	D-695	-
Hardness, Rockwell, 73° F	-	D-785	80 - 120
Static Friction on Polish Steel	ft lb/in	D-1894	-
Dynamic Friction	in/in/F.	D-696	-
Heat Deflection Temp. @ 264 psi	Deg. F.	D-648	130
Melting Point	Deg. F.	D-789	335
Continuous Service Temp., Air, Max.	Deg. F.	-	180
Dielectric Strength	V/mil	D-149	500 – 660
Volume Resistivity	ohm-cm	D-257	10(17)
Dielectric Constant, 60Hz	-	D-150	2.3
Water Absorption, Immersion - 24 hrs.	%	D-570	0.03
Water Absorption, Saturation	%	D-570	-

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