



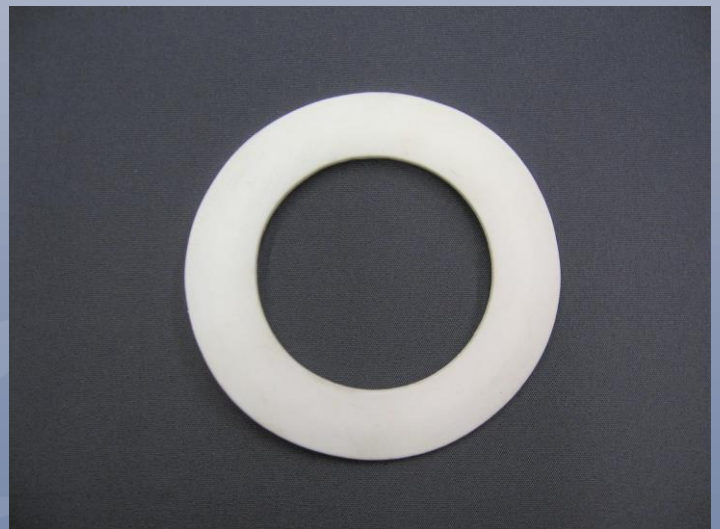
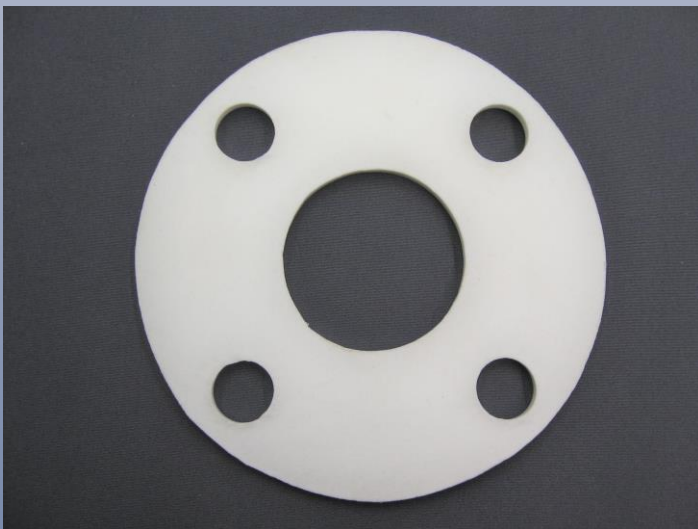
Panacea® Gasketing Material

PT-G White

Reinforced Fluoroplastic Gasketing Material for Temperatures up to 500°F / 260°C

Prince's PT-G White PTFE Gasketing Compound with bead reinforcing:

- The bead reinforcing enables long-term sealing, whereas standard PTFE sheet material tends to creep perpendicularly from flange loading, and then leaks.
- Displays light flange loading in temperatures from -300°F/-184°C up to 500°F/260°C.
- Exhibits a low creep factor under pressure.
- Easily removed from flanges.
- Resistance to permanent set.
- Formable on uneven or warped flanged faces.
- Maximum sheet size: 60" x 60" (1524 mm x 1524 mm); thickness is 1/8" (3.2 mm) *only*



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General Data

Property	ASTM	Result
Tensile Strength 1/16" / 1.59 mm Thickness	D412	2200 psi / 15.17 MPa
Compressibility	F36	10 – 16%
Recovery	F36	35% Minimum
Sealability	F37	0.01 Milliliters/hr
Elongation at Break	D4745	240%
Modulus @ 100% Elongation		1600
Specific Gravity	D792	2.21
Hardness	D2440	61 Shore D
Service Temperature		-350°F to 500°F -184°C to 260°C
Flammability		Will Not Burn
Bacterial Growth		Will Not Support
“(M)” Factor		
1/8" / 3.175 mm Thickness		2.00
1/16" / 1.59 mm Thickness		2.75
“(Y)” Factor		
1/8" / 3.175 mm Thickness		1800
1/16" / 1.59 mm Thickness		4000

- Additional data and chemical compatibility information available
- Panacea® PT-G White conforms to F.D.A. and U.S.D.A. specifications.
- General data is meant as a relative guide to determine the use of PT-G White. Individual testing of actual conditions is recommended.
- When PT-G White is to be used in liquid oxygen service specify for L.O.X. service.

Compression Analysis

Clamping Force	PT-G White	PTFE with 25% Glass Filler	Virgin T.F.E
5,000 psi / 34.5 MPa	.008 inch / .203 mm	.008 inch / .203 mm	.008 inch / .203 mm
10,000 psi / 69 MPa	.010 inch / .254 mm	.013 inch / .33 mm	.012 inch / .309 mm
15,000 psi / 103.4 MPa	.013 inch / .33 mm	.019 inch / .483 mm	.023 inch / .584 mm
20,000 psi / 137.9MPa	.016 inch / .406 mm	.027 inch / .686 mm	.040 inch / 1.016 mm
25,000 psi / 172.4 MPa	.023 inch / .584 mm	.041 inch / 1.041 mm	.055 inch / 1.397 mm
30,000 psi / 206.8 MPa	.030 inch / .762 mm	.058 inch / 1.473 mm	.064 inch / 1.626 mm

ABOVE FIGURES REFLECT THE AMOUNT OF DEFLECTION AND COLD-FLOW ON A COMPARATIVE BASIS OF THE THREE TESTED MATERIALS. ALL MATERIALS WERE NOMINAL 1/8" THICK AND WERE TESTED AT ROOM TEMPERATURE. COMPRESSION FIGURES ARE IN INCHES