

Panacea® Gasketing Material

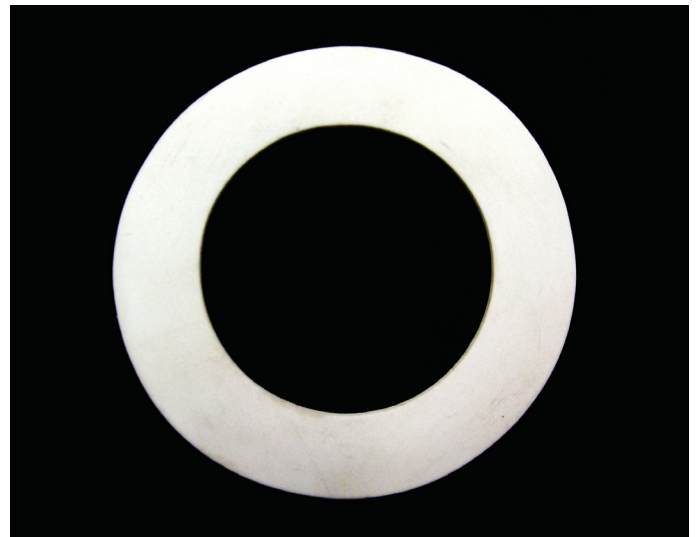
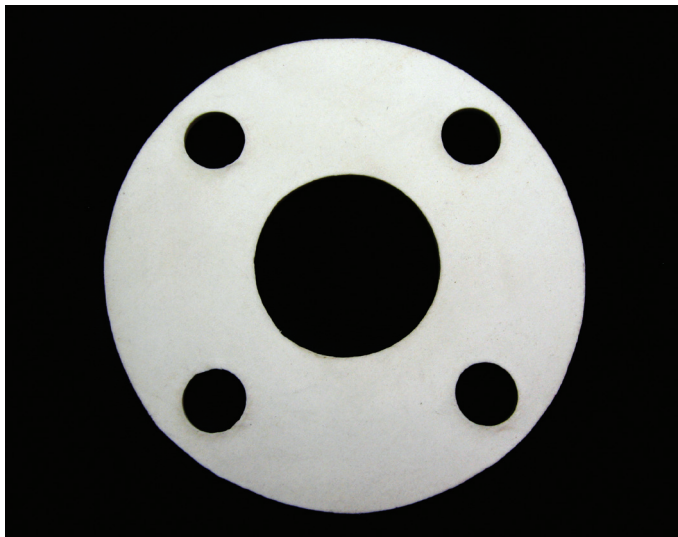
PANACEA PT-G White

**A Special PTFE Fluoroplastic
Compound with Bead Reinforcing**

**A Reinforced Fluoroplastic
Gasketing Material for
Temperatures to 500° F**

**For Highly Corrosive
Atmospheres**

Prince has developed over a period of years a PTFE Gasketing Compound with bead reinforcing displaying light flange loading in temperatures from -300°F up to 500°F. This compound displays a low creep factor under pressure and further is easy to remove from flanges. The bead reinforcing enables PT-G White gaskets to maintain a seal, whereas standard PTFE sheet material tends to creep away from flange loading, and then leak. Resistance to permanent set is another one of its desired traits together with ease in formability on uneven or warped flanged faces.



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Panacea® PT-G White

General Data

Physical Properties

Tensile Strength (PSI) 1/16" Thickness	2200
Compressibility (% ASTM F36)	10-16
Recovery (ASTM F36 % Minimum)	35
Sealability (Milliliters/hr.)	0.01
Elongation (% ASTM D4745)	240
Modulus @ 100% Elongation	1600
Specific Gravity (ASTM D 792)	2.21
Hardness (Shore "D")	61
Temperature	-350° F to 500° F
“(M)” Factor	
1/8" Thickness	2.00
1/16" Thickness	2.75
“(Y)” Factor	
1/8" Thickness	1800
1/16" Thickness	4000
Flammability	Will Not Burn
Bacterial Growth	Will Not Support

- Additional data and chemical compatibility information available
- Panacea® PT-G White confirms 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

PSI Clamping Force	PT-G White	PTFE with 25% Glass Filler	Virgin T.F.E
5,000	.008 inch	.008 inch	.008 inch
10,000	.010 inch	.013 inch	.012 inch
15,000	.013 inch	.019 inch	.023 inch
20,000	.016 inch	.027 inch	.040 inch
25,000	.023 inch	.041 inch	.055 inch
30,000	.030 inch	.058 inch	.064 inch

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.