



# Panacea® Gasketing Material

## R-3400

### EXTRUDED SHEET – 50' long

Sheet Width	Available Thicknesses	
	Inches	mm
48"	1/4	6.35
60"	1/16	1.6
	1/8	3.2
	3/16	4.8

## PP-340

### PRESS-MADE SHEET

Available Sheet Dimensions: Inches	Available Sheet Dimensions: mm
1/16 x 36 x 36	1.6 x 914 x 914

Both the R-3400 and the PP-340 are made from the same compound. They differ only by their process of production and the sizes available

**Special Plasticized, Easy-to-Seal, Black Vinyl Gasketing Material for use in:**  
**Chlorine Dioxide**

**Dilute Nitric Acid, Sodium Hydroxide, Brine, Hypo and difficult-to-handle acids**

Bleaching Pulp Mills often prefer R-3400 when compared to PTFE-based gaskets because R-3400 is:

- Less expensive
- Easier to seal
- Has better compression set
- Long-term sealability



### Panacea® Gasketing Application Guide for Pulp Bleach Plant

Liquid or Gas Service	Usual Temp Range	Pressure	Suggested Gasket
Liquid Sodium Chlorate	Ambient, 50° - 90° F 10° - 32° C	to 40 psi 0.28 MPa	6962, PP-340, R3400
Chlorine Dioxide Gas	140° - 18° F 60° - 7.8° C	near full Vacuum	PP-340, R3400, PT-G White
Chlorine Dioxide Solution, 0 to 14gm/l	45° - 55° F 4.7° - 13° C	0 to 60 psi 0.41 MPa	PP-340, R3400
Chlorine Dioxide Solution, heated 0 to 14 gm/l	130° F / 54.4° C	>80 psi >0.55 MPa	PT-G White, PP-340, R3400
Caustic Scrubber Liquor, or Water	Ambient, 50° - 90° F 10° - 32° C	50 psi 0.34 MPa	6962, PP-340, R3400
Chlorine Dioxide/Air Mixture	45° - 55° F 4.7° - 13° C	Atmospheric to Slight Vacuum	PP-340/R3400

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## R-3400 & PP-340

### Panacea® R-3400 & PP-340 Physical Properties Chart

Property	ASTM	Result
Hardness, Shore A, (15 seconds depression, 75°F)	D2240	70
Tensile Strength, Room Temperature	D412	2327 psi 16.04 MPa
Tear Resistance	D624	181 Lb. F/in.
Compression Set		
Constant Load, "A"	D395-B	47.5%
Abrasion Resistance	D5963	3.43 mg lost/1000 cycles
Specific Gravity		1.311
Brittle Point	D746	5°F / -15°C
Flame Resistance*		
Horizontal Plane ABR		
Vertical Plane ATB		5
AEB		3.5
Heat Resistance	D572	200°F / 93°C

#### Panacea® R3400 and PP-340 are available:

- Extruded Sheet roll stock
- Press-Made Sheet
- Full-face pipe flange gaskets
- Custom-fabricated gaskets, extrusions & splicing, such as Explosion Hatch Gaskets, per center photo below
- Tubing, available on a custom basis

**Panacea® R-3400 & PP-340** have been specified and used in pulp mill bleach systems for >50 years. They are a unique compound formulation *only available from Prince*.

**Panacea® R-3400 & PP-340** are specified by Chlorine Dioxide technology companies/suppliers and engineering firms who work on pulp chlorine dioxide systems.

**Panacea® R-3400 & PP-340** are suitable for Chlorine Dioxide gas and Chlorine Dioxide solution service. They also can be used in many chemical services where PVC is suitable. Check with Prince regarding specific applications.

