



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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Panacea® Gasketing Material

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 – 70hrs, 180°F (82°C)		
Constant Load, "A"	D395-B	88%
Abrasion Resistance	D5963	3.43 mg lost/1000 cycles
Specific Gravity		1.311
Brittle Point	D746	5°F / -15°C
Flame Resistance*	UL-94	
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.

