

# Panacea® Gasketing Material

## R-3400

### EXTRUDED SHEET

1/8" and 3/16" thick roll stock  
48" wide by 50' ft. long

## PP-340

### PRESS-MADE SHEET

1/16" to 1/4" thick 48" x 48" sheets  
Special thicknesses available

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.

### Panacea® R-3400 and PP-340

Special Plasticized, Easy to Seal, Black Vinyl Gasketing Material for use in

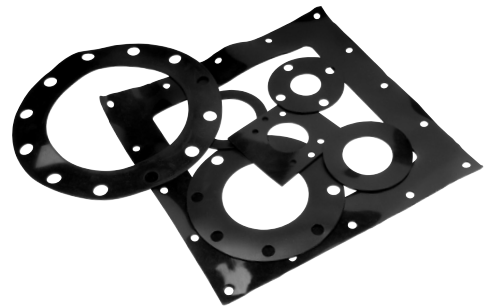
## Chlorine Dioxide

Sodium Hydroxide, Brine, Hypo and difficult to handle Acids.

R-3400 & PP-340 are compounded to meet the many gasketing needs of a Bleaching Pulp Mill and often competes with various PTFE based gasketing.

The Panacea® R-3400 & PP-340 is:

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



### Panacea® Gasketing Application Guide for Chlorine Dioxide Service

Liquid or Gas Service	Usual Temp Range	Pressure	Suggested Gasket
Liquid Sodium Chlorate	70° F (ambient), 50° to 90° F	to 40 PSI	6962, PP-340, R3400
Chlorine Dioxide Gas	140° F to 18° F	near full Vacuum	PP-340, R3400, PT-G White
Chlorine Dioxide Solution, 0 to 14gm/l	45° F - 55° F	0 to 60 psi	PP-340, R3400
Chlorine Dioxide Solution, heated 0 to 14 gm/l	130° F + 130° F	>80PSI	PT-G White, PP-340, R3400
Caustic Scrubber Liquor, or Water	Ambient, 50° to 90° F	50PSI	6962, PP-340, R3400
Chlorine Dioxide/Air Mixture	45° to 55° F		PP-340/R3400 to slight Vacuum

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

Hardness, Shore A, (15 seconds depression, 75°F)	70
Tensile Strength, psi (Room Temp.)	2327
Ultimate Elongation, %	394
Tensile Stress at 100% Elongation, psi	783
Tensile Set, %	66
Tear Resistance, Lb. F/in.	181
Compression Set	
Constant Load, "A", %	47.5
Constant Deflection, "B", %	69.0
Abrasion Resistance, mg lost/1000 cycles	3.43
Specific Gravity	1.311
Water Absorption, %	0.192
Brittle Point, °F	5°
Flame Resistance*	
Horizontal Plane ABR	
Vertical Plant ATB	5
AEB	3.5
Heat Resistance, °F	200°F

\* ABR — Average Burning Rate      ATB — Average Time of Burning      AEB — Average Extent of Burning

**Panacea® R3400 and PP-340 is available:**

- Extruded Sheet roll stock
- Press-Made Sheet
- Cut Gaskets standard size full face pipe flange gaskets
- Explosion hatch gaskets
- Custom fabricated gaskets, extrusions & splicing
- Tubing, available on a custom basis

**Panacea® R-3400 & PP-340** is a specially compounded black plasticized vinyl material that was specifically developed for Chlorine Dioxide applications. This compound has been specified and used in pulp mill bleach systems for 40+ years. There is no other similar plasticized vinyl compound manufactured.

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

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

