



Chemical Compatibility Guide for: **PIG® DRAINBLOCKER® Drain Cover with DuPont™ Elvaloy® Technology**

NOTICE:

This report is offered as a guide and was developed from information which, to the best of New Pig Corporation's knowledge, was reliable and accurate. Due to variables and conditions of application beyond New Pig Corporation's control, none of the data shown in this guide is to be construed as a guarantee, expressed, or implied. New Pig Corporation assumes no responsibility, obligation, or liability in conjunction with the use or misuse of the information.

Due to the nature of soft urethanes, the physical properties of these products may change with exposure to certain environmental conditions like temperature, humidity and UV radiation. Please inspect the stored product regularly to ensure it is in usable state. Do not store or use in temperature exceeding 120F (49C) for an extended period of time. Typical life expectancy of urethane products is about 5 years .

Due to PIG® DRAINBLOCKERS® Drain Cover with DuPont™ Elvaloy® Technology composite construction, some chemicals may react differently.

Sealing properties may be compromised when exposed to chemicals that may be absorbed causing swelling.

Degradation may result from chemical incompatibilities. Discoloration or degradation may occur.

Periodically inspect and products when in use for proper seal.

Chemical Name	Chemical Class	Degradation Rating	Seal Rating	Overall Compatibility Rating	Comments
Acetone	Ketone	1	0	Good	Vinyl started to delaminate after 15 minutes, urethane had slight swelling after 4 hrs.
Chlorine Standard Solution (1000ppm)	Halogen	0	0	Good	
Ethanol (95%)	Alcohol	0	0	Good	
Hydraulic Fluid	Aliphatic Hydrocarbon	0	0	Good	
Hydrochloric Acid (50%)	Inorganic Acid	0	0	Good	
Hydrogen Peroxide (30%)	Peroxide	0	0	Good	
Isopropyl Alcohol	Hydroxylic	0	0	Good	
Mineral Oil	Petroleum Hydrocarbon	0	0	Good	
Chlorine Bleach (5% Sodium Hypochlorite)	Inorganic Halogen	1	0	Good	Urethane had slight discoloration and became tacky after four hours
Sodium Hydroxide (40%)	Inorganic Base	0	0	Good	
Sulfuric Acid (50%)	Inorganic Acid	1	0	Good	Urethane discolored and became tacky after four hours

Xylene	Aromatic Hydrocarbon	1	0	Good	Vinyl started to delaminate after 30 minutes urethane had slight swelling after 4 hrs.
*Gasoline	Petroleum Hydrocarbon	1	0	Good	Minor color change in vinyl after four hours
*Antifreeze	Glycol Ether	0	0	Good	
*Diesel Fuel	Petroleum Hydrocarbon	1	0	Good	Minor color change in vinyl after four hours

Tests were run per New Pig Corporation Test Procedure #0002; except those marked with an asterisks which were run using New Pig Test Procedure #0003.

All tests exposed each chemical to a drain cover for a minimum of four hours.

KEY:

Degradation - Any physical change in the material: Swelling, discoloration, delamination, curling, etc.

Degradation Rating - 0 = None; 1 = Slight; 2 = Significant

Seal - Any change to the seal between the blocker and the sealing surface

Seal Rating - 0 = None; 1 = Slight; 2 = Significant

Overall Compatability - The materials ability to resist chemical degradation and maintain a seal

Overall Compatability Rating - Good = Can withstand 4 or more hours of chemical exposure

Fair = Can withstand 2-4 hours of chemical exposure

(ER) Emergency Resposne = Can withstand 30min. to 2 hours of chemical exposure

(NR) Not Recommended = Not recommended for use with this chemical

Note: Blocker products that have been chemically degraded may be considered hazardous waste because of their mexture with a hazardous liquid. Dispose of in according with Federal, State and Local requirements.

For additional assistance, please contact New Pig Technical Services at 1-800-HOT-HOGS® (468-4647).

100% Money-Back Guarantee

If you're not happy with a product, for any reason, we'll refund every penny of your purchase price. That means we'll refund all sales taxes, shipping costs, and any other incidentals - without tacking on a restocking fee or any other surprise charges. You get ALL your money back. Period.

One Pork Avenue, Tipton, PA 16684-0304 • 1-800-HOT HOGS® (468-4647) • Fax: 1-800-621-PIGS (7447)
Email: hothogs@newpig.com • Web: newpig.com

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