

Chemical Compatibility Guide for: Standard PVC Boots

The guide on the following page(s) was provided by the supplier. New Pig Corporation assumes no responsibility, obligation, or liability in conjunction with the use or misuse of the information.



New Pig

One Pork Avenue
Tipton, PA 16684-0304

newpig.com

North America: **1-800-468-4647**

Europe: **+31 (0)76 596 92 50**

China: **+86-21-400 921 5178**

PIG, PIG logo are registered trademarks in USA and other countries. See tm.newpig.com

UK: **0800 919 900**

Outside North America: **+1-814-684-0101**

Industrial Footwear - Degradation Chart

"HYDROCARBONS (OILS & SOLVENTS)"	POLYMAX						
	ULTRA	SUPERPOLY	SUREFLEX	POLYBLEND	STANDARD	HEARTLAND	BLUEMAX
ASTM #1 Oil	E	E	E	E	G	G	E
ASTM #3 Oil	E	E	E	E	G	G	E
Benzene	F	P	F	P	P	P	P
Benzyl Chloride	F	P	F	P	P	P	P
Butane	E	F	F	F	P	F	F
Carbon Tetrachloride	G	F	F	F	G	F	F
Castor Oil	E	E	E	E	G	G	E
Chloroform	P	P	P	P	P	P	P
Coconut Oil	G	G	G	G	F	F	G
Cottonseed Oil	G	G	G	G	F	F	G
Cutting Oil	E	E	E	E	G	G	E
Cyclohexane	E	G	G	G	F	F	G
Gasoline (Cracked)	G	G	G	G	P	F	G
Gasoline (SR)	G	G	G	G	P	F	G
Grease (All Kinds)	E	E	E	E	G	G	E
Hexane	G	G	G-E	G	P	F	G
Hydraulic Oil	E	E	E	E	G	G	E
Isooctane	G	G	P	G	P	P	G
Kerosene (C-T)	G	G	G	G	F	F	G
Kerosene (PET)	G	E	G	E	F	F	E
Lard Oil (158 F)	E	E	E	G	F	F	G
Linseed Oil	G	G	G	G	F	F	G
Methyl Cellosolve	E	F	E	G	G	G	F
Methyl Chloride	E	F	E	F	P	P	F
Methylene Chloride	F	P	F	P	P	P	P
Mineral Oil	G	G	G	G	F	F	G
Naphtha	G	G	G	G	P	P	G
Nitrobenzene	P	P	P	P	P	P	P
Olive Oil	G	E	G	E	G	G	E
Perchloroethylene	G	F	G	F	F	F	F
Petroleum Oil	E	G	E	G	G	G	G
Petroleum Solvent	G	G	G	G	F	F	G
Pine Oil	G	E	G	E	G	G	E
Propane	E	F	E	F	P	P	F
Toluene (Toluol)	G	P	F-G	P	P	P	P
Trichloroethylene	G	F	G	F	F	F	F
Turpentine	G	G	G	G	G	G	G
Vegetable Oil	G	G	G	G	F	F	G
Xylene	G	P	G	P	P	P	P
Coal Tar Solvent	F	F	F	F	F	F	F
Beef Tallow (158 F)	E	E	E	G	F	F	G

"KETONES & ALDEHYDES"	POLYMAX						
	ULTRA	SUPERPOLY	SUREFLEX	POLYBLEND	STANDARD	HEARTLAND	BLUEMAX
Acetone	F	P	F	P	P	P	P
Acetaldehyde	F	P	F	P	P	P	P
Benzaldehyde	P	P	P	P	P	P	P
Butyraldehyde	G	P	G	P	P	P	P
Chloroacetone	P	P	P	P	P	P	P
Formaldehyde	E	E	E	E	E	E	E
Furfural	P	P	P	P	P	P	P
Methyl Ethyl Ketone	F	P	F	P	P	P	P

ALCOHOLS							
Amyl Alcohol	G	G	G	G	F	F	G
Benzyl Alcohol	G	F	G	G	G	G	F
Butyl Alcohol	G	G	G	G	F	F	G
Diacetone Alcohol	G	F	G	F	F	F	F
Diethanolamine	G	E	G	E	E	G	E
Ethylene Glycol	E	E	E	E	E	E	E
Ethyl Alcohol	E	E	E	E	G	G	E
Glycerine	E	E	E	E	E	E	E
Methyl Alcohol	E	G	E	G	G	G	G
Octyl Alcohol	G	E	G	G	F	F	E
Propyl Alcohol	G	E	G	E	G	G	E
Triethanolamine	E	E	E	E	E	E	E

ORGANIC ACIDS							
Acetic Acid	G	G	G	G	G	G	G
Carbolic Acid (Phenol)	F	F	F	F	G	F	F
Citric Acid	E	E	E	E	E	E	E
Formic Acid	G	F	G	G	G	G	F
Lactic Acid	E	E	E	E	E	E	E
Malic Acid	E	G	E	G	E	G	G
Oleic Acid	G	E	G	G	F	F	E
Stearic Acid (158 F)	G	E	G	G	F	F	E
Tannic Acid	E	E	E	E	E	E	E

INORGANIC ACIDS							
Carbonic Acid	E	G	E	G	G	G	G
Chlorine Water	F	G	F	G	G	G	G
Hydrobromic Acid	G	G	G	G	G	G	G
38% Hydrochloric Acid Conc.	E	E	E	E	E	E	E
48% - 52% Hydrofluoric Acid	G	G	G	E	E	E	G
Hydrogen Sulfide	G	G	G	G	G	G	G
Nitric Acid - 10%	E	E	E	E	E	E	E
Nitric Acid Conc. - 70%	F	F	F	G	G	G	F
Perchloric Acid	F	F	F	G	F	F	F
Phosphoric Acid Conc. - 85%	E	E	E	E	E	E	E
Sulfuric Acid - 50%	E	E	E	E	E	E	E
Sulfuric Acid Conc. - 93%	P	P	P	P	P	P	P

SALTS & ALKALIES	POLYMAX						
	ULTRA	SUPERPOLY	SUREFLEX	POLYBLEND	STANDARD	HEARTLAND	BLUEMAX
Ammonium Hydroxide	E	E	E	E	E	E	E
Ammonium Sulfate	E	E	E	E	E	E	E
Calcium Chloride	E	E	E	E	E	E	E
Calcium Hypochlorite	E	E	E	E	E	E	E
Potassium Hydroxide	G	G	G	G	G	G	G
Copper Chloride	G	E	G	G	G	G	E
Copper Sulfate	E	E	E	G	G	G	E
Ferric Chloride	E	G	E	G	G	G	G
Potassium Dichromate	E	E	E	E	G	G	E
Sodium Hydroxide	E	E	E	E	E	E	E

ORGANIC ESTERS							
Amyl Acetate	F	P	F	P	F	F	P
Butyl Acetate	F	P	F	P	P	P	P
Dibutyl Phthalate	G	F	G	F	F	F	F
Ethyl Acetate	F	P	F	P	P	P	P
Ethyl formate	F	F	F	F	F	F	F
Methyl Acetate	F	P	F	P	F	P	P
Propyl Acetate	F	P	F	P	P	P	P
Tricresyl Phosphate	E	G	E	G	G	G	G
Zinc Acetate - 10%	E	E	E	E	E	E	E

MISCELLANEOUS							
Acrylonitrile	F	F	F	F	F	F	F
Aniline	F	P	F	P	P	P	P
Battery Acid	E	E	E	E	E	E	E
Butter (158 F)	E	G	E	G	F	G	G
Buttermilk	E	E	E	E	E	E	E
Carbon Disulfide	G	F	G	F	F	F	F
Chlorophenol	F	F	F	F	G	F	F
Chlorobenzene	F	P	F	P	P	P	P
Chlorox	E	E	E	E	E	E	E
Cresol	F	P	F	F	G	F	P
Dichlorobenzene	F	P	F	P	P	P	P
Dibenzyl Ether	F	F	F	F	F	F	F
Ethyl Ether	G	F	G	F	F	F	F
Hydrazine	E	G	E	G	G	G	G
Hydrogen Peroxide - 30%	E	E	E	E	E	E	E
Milk	E	E	E	E	E	E	E
Monoethanolamine	E	G	E	G	G	G	G
Morpholine	P	P	P	P	P	P	P
Paint Remover	F	P	F	P	P	P	P
Soaps	E	E	E	E	E	E	E
Tetrahydrofuran	F	P	F	P	P	P	P

Key to Degradation Chart:
 E - Excellent F - Fair
 G - Good P - Poor