

1 = SUITABLE FOR CONTINUOUS IMMERSION AT 68 F  
3 = SPLASHES AND SPILLS

2 = SHORT TERM IMMERSION <3 DAYS  
4 = NOT RECOMMENDED



## **PES 500 SERIES**

## **CHEMICAL RESISTANCE CHART**

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CHEMICAL	501 CRSG	502 CRXF	506 ALUPRIME	507 DWPU	508 UVPU	511 UCEN	512 UCEN 194	513 UCEN 230	554 RB MEMBRANE	555 PESINOX
Acetic Acid <10%	2	2	3	2	2	1	1	1	4	4
Acetic Acid <20%	3	3	4	3	3	2	2	2	4	4
Acetic Acid >20%	4	4	4	4	4	2	2	2	4	4
Acetone	3	3	3	4	4	3	3	3	4	4
Alums	1	1	1	1	1	1	1	1	1	1
Aluminium Chloride (Dry)	1	1	1	1	1	1	1	1	1	1
Aluminium Sulphate	1	1	1	1	1	1	1	1	1	1
Ammonium Carbonate	1	1	1	1	1	1	1	1	1	1
Ammonium Hydroxide 0-10%	1	1	1	1	1	1	1	1	1	1
Ammonium Hydroxide 10-20%	2	2	2	2	2	1	1	1	2	2
Ammonium Hydroxide +20%	3	3	3	2	2	2	2	2	2	4
Ammonium Phosphate	1	1	1	1	1	1	1	1	1	1
Ammonium Nitrate	1	1	1	1	1	1	1	1	1	1
Amyl Acetate	2	2	2	2	2	2	2	2	4	4
Amyl Alcohol	2	2	2	2	2	2	2	2	4	4
Apple Juice	1	1	1	1	1	1	1	1	1	1
Aviation Fuel	1	1	2	2	2	1	1	1	1	3
Barium Carbonate	1	1	1	1	1	1	1	1	1	1
Barium Chloride	1	1	1	1	1	1	1	1	1	1
Barium Hydroxide	1	1	1	1	1	1	1	1	1	1
Barium Sulphate	1	1	1	1	1	1	1	1	1	1
Barium Sulphide	1	1	1	1	1	1	1	1	1	1
Beet	1	1	1	1	1	1	1	1	1	1
Beet Sugar Liquor	2	2	3	2	2	1	1	1	3	3
Benzene	3	3	3	3	2	2	2	2	4	4
Benzoic Acid	3	3	3	3	2	1	1	1	4	4
Bleach	2	2	3	2	2	1	1	1	4	4
Brake Fluid	1	1	2	2	2	1	1	1	3	3
Brine	1	1	1	1	1	1	1	1	2	2
Bunker Oil	1	1	1	1	1	1	1	1	3	3
Butyl Acetate	2	2	2	3	2	2	2	2	4	4
Butyl Alcohol	2	2	3	2	2	2	2	2	4	4
Calcium Carbonate	1	1	1	1	1	1	1	1	1	1
Calcium Chloride	1	1	1	1	1	1	1	1	1	1
Calcium Hydroxide	1	1	1	1	1	1	1	1	1	1
Calcium Hypochlorite	2	2	3	2	2	1	1	1	3	3

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Calcium Sulphate	1	1	1	1	1	1	1	1	1	1
Carbon Dioxide (Dry)	1	1	1	1	1	1	1	1	1	1
Carbon Monoxide	1	1	1	1	1	1	1	1	1	1
Carbon Tetrachloride	3	3	3	3	3	3	3	3	4	4
Carbonic Acid	1	1	1	1	1	1	1	1	1	1
Castor Oil	1	1	1	1	1	1	1	1	1	1
Chlorine Dry	3	3	3	3	3	3	3	3	4	4
Chlorine Wet	4	4	4	4	4	4	4	4	4	4
Chlorobenzene	3	3	3	3	3	3	3	3	4	4
Chloroform	3	3	3	3	3	3	3	3	4	4
Coconut Oil	1	1	1	1	1	1	1	1	2	2
Cod Liver Oil	1	1	1	1	1	1	1	1	2	2
Copper Chloride	1	1	1	1	1	1	1	1	1	1
Copper Nitrate	1	1	1	1	1	1	1	1	1	1
Copper Sulphate	1	1	1	1	1	1	1	1	1	1
Creosote	4	4	4	2	3	2	2	2	4	4
Cresylic Acid	4	4	4	3	3	2	2	2	4	4
Crude Oil Sweet	1	1	1	1	1	1	1	1	3	3
Crude Oil Sour	1	1	1	1	2	1	1	1	3	3
Cyclohexane	1	1	2	2	2	1	1	1	4	4
Cyclohexanol	2	2	2	2	2	2	2	2	4	4
Di-Acetone Alcohol	2	2	2	2	2	2	2	2	4	4
Di-Butyl Ether	3	3	3	3	3	3	3	3	4	4
Di-Ethyl Amine	2	2	3	3	3	2	2	2	4	4
Diesel Oil	1	1	1	1	1	1	1	1	2	2
Ethyl Acetate	3	3	3	3	3	2	2	2	4	4
Ethyl Acrylate	2	2	2	2	2	2	2	2	3	3
Ethyl Alcohol	3	3	2	2	2	2	2	2	4	4
Ethylene Glycol	1	1	1	1	1	1	1	1	3	3
Ferric Chloride	1	1	1	1	1	1	1	1	2	2
Ferric Sulphate	1	1	1	1	1	1	1	1	2	2
Formic Acid	3	3	3	3	3	2	2	2	4	4
Gasoline	1	1	1	1	1	1	1	1	2	2
Glycerol	1	1	1	1	1	1	1	1	2	2
Heptane	1	1	1	1	1	1	1	1	3	3
Hexane	1	1	1	1	1	1	1	1	3	3
Hexanol	1	1	1	1	1	1	1	1	3	3
Hydrobromic Acid dilute	1	1	1	1	1	1	1	1	1	1
Hydrochloric Acid 0-10%	1	1	1	1	1	1	1	1	3	3
hydrochloric Acid 10-20%	1	1	2	1	1	1	1	1	3	3

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Hydrochloric Acid +20%	3	3	3	3	3	1	1	1	3	3
Hydrofluoric Acid 10%	3	3	3	3	3	1	1	1	3	3
Hydrofluoric Acid 20%	4	4	4	4	4	2	2	2	4	4
Hydraulic Oil	1	1	1	1	1	1	1	1	3	3
Iso Propyl Ether	3	3	3	3	3	3	3	3	3	3
Iso Octane	1	1	1	1	1	1	1	1	3	3
Kerosine	1	1	1	1	1	1	1	1	2	2
Lactic Acid	2	2	2	2	2	1	1	1	3	3
Lemon Juice	1	1	1	1	1	1	1	1	2	2
Lime Water	1	1	1	1	1	1	1	1	2	2
LPG	1	1	1	1	1	1	1	1	1	1
Lubricating Oil	1	1	1	1	1	1	1	1	1	1
Magnesium Chloride	1	1	1	1	1	1	1	1	1	1
Magnesium Hydroxide	1	1	1	1	1	1	1	1	1	1
Magnesium Sulphate	1	1	1	1	1	1	1	1	1	1
Maleic Acid	3	3	3	3	3	1	1	1	3	3
Mercury	1	1	1	1	1	1	1	1	1	1
Methane	1	1	1	1	1	1	1	1	3	3
Methyl Acetate	3	3	3	3	3	1	1	1	4	4
Methyl Alcohol	3	3	3	3	3	2	2	2	3	3
Methylene Chloride	4	4	4	4	4	4	4	4	4	4
Methyl Ethyl Ketone	3	3	3	3	3	1	1	1	4	4
Molasses	1	1	1	1	1	1	1	1	2	2
Naptha	1	1	1	1	1	1	1	1	2	2
Natural Gas	1	1	1	1	1	1	1	1	2	2
Nitric Acid 0-10%	1	1	2	1	1	1	1	1	2	2
Nitric Acid 10-20%	2	2	3	2	2	1	1	1	3	3
Nitric Acid +20%	4	4	4	4	4	2	2	2	4	4
Nitrous Acid (dilute)	1	1	1	1	1	1	1	1	2	2
Octane	1	1	1	1	1	1	1	1	2	2
Oleum	4	4	4	4	4	2	2	2	4	4
Oleic Acid	1	1	1	1	1	1	1	1	2	2
Orange Juice	1	1	1	1	1	1	1	1	2	2
Parafin	1	1	1	1	1	1	1	1	2	2
Parafin Wax	1	1	1	1	1	1	1	1	2	2
Palmitic Acid	1	1	1	1	1	1	1	1	2	2

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Palm Oil	1	1	1	1	1	1	1	1	1	1
Petrol	1	1	1	1	1	1	1	1	2	2
Petroleum Oil	1	1	1	1	1	1	1	1	2	2
Phenol (100%)	4	4	4	4	4	2	2	2	4	4
Phenol (10%)	3	3	3	3	4	2	2	2	4	4
Phosphoric Acid dilute	1	1	2	1	1	1	1	1	2	2
Phosphoric Acid <75%	3	3	3	3	3	1	1	1	3	3
Potassium Bromide	1	1	1	1	1	1	1	1	2	2
Potassium Carbonate	1	1	1	1	1	1	1	1	2	2
Potassium Chlorate	1	1	1	1	1	1	1	1	2	2
Potassium Chloride	1	1	1	1	1	1	1	1	2	2
Potassium Diphosphate	1	1	1	1	1	1	1	1	2	2
Potassium Hydroxide	1	1	1	1	1	1	1	1	2	2
Potassium Iodide	1	1	1	1	1	1	1	1	2	2
Potassium Nitrate	1	1	1	1	1	1	1	1	1	1
Potassium Sulphate	1	1	1	1	1	1	1	1	1	1
Potassium Sulphide	1	1	1	1	1	1	1	1	1	1
Propane	1	1	1	1	1	1	1	1	1	1
Propanol (normal)	2	2	2	2	2	2	2	2	4	4
Propanol (iso)	2	2	2	2	2	2	2	2	4	4
Propylene Glycol	1	1	1	1	1	1	1	1	2	2
Propylene Glycol Methyl Ether	2	2	2	2	2	2	2	2	3	3
Propylene Glycol Methyl Ether Acetate	2	2	2	2	2	2	2	2	3	3
Sewage	1	1	1	1	2	1	1	1	2	2
Sodium Bicarbonate	1	1	1	1	1	1	1	1	1	1
Sodium Bisulphate	1	1	1	1	1	1	1	1	1	1
Sodium Borate	1	1	1	1	1	1	1	1	1	1
Sodium Bromide	1	1	1	1	1	1	1	1	1	1
Sodium Carbonate	1	1	1	1	1	1	1	1	1	1
Sodium Chlorate	1	1	1	1	1	1	1	1	1	1
Sodium Chloride	1	1	1	1	1	1	1	1	1	1
Sodium Chromate	1	1	1	1	1	1	1	1	1	1
Sodium Hydroxide	1	1	1	1	1	1	1	1	2	2
Sodium Hypochlorite (12% Chlorine)	3	3	3	2	2	3	3	3	3	3
Sodium Nitrate	1	1	1	1	1	1	1	1	1	1
Sodium Silicate	1	1	1	1	1	1	1	1	1	1
Sodium Sulphate	1	1	1	1	1	1	1	1	1	1
Starch	1	1	1	1	1	1	1	1	2	2
Styrene	3	3	3	3	2	2	2	2	3	3
Sulphuric Acid 0-10%	1	1	2	2	1	1	1	1	2	2

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Sulphuric Acid 10-20%	1	1	2	2	1	1	1	1	2	2
Sulphuric Acid +20%	3	3	4	4	4	1	1	1	4	4
Sulphur Dioxide	1	1	2	1	2	1	1	1	2	2
Tar	2	2	2	2	2	2	2	2	3	3
Tetrachlorethylene	3	3	3	3	3	3	3	3	4	4
Toluene	2	2	3	2	3	1	1	1	3	3
Transformer Oil	1	1	1	1	1	1	1	1	1	1
Tri Butyl Phosphate	1	1	1	1	1	1	1	1	2	2
Trichloroethylene	3	3	3	3	3	3	3	3	4	4
Urea	1	1	1	1	1	1	1	1	2	2
Vinegar	1	1	1	1	1	1	1	1	2	2
Water	1	1	1	1	1	1	1	1	1	1
Waxes	1	1	1	1	1	1	1	1	1	1
Whiskey	2	2	2	2	2	2	2	2	3	3
White Spirit	1	1	2	1	1	1	1	1	2	2
Xylene	2	2	2	2	2	1	1	1	3	3
Zinc Chloride	1	1	1	1	1	1	1	1	1	1
Zinc Hydrosulphite	1	1	1	1	1	1	1	1	1	1
Zinc Sulphate	1	1	1	1	1	1	1	1	1	1