

Chemical resistance PetroProof hoses

Chemicals	Code	Chemical formula	Remarks
Fuels			
Petrol/Gasoline (leaded & unleaded)	A	HC C ₄ -C ₇	HC = Hydrocarbon
Diesel	A	HC C ₁₁ -C ₁₄	
Kerosene	A	HC C ₈ -C ₁₀	
Oils			
ASTM #1 oil (paraffinic mineral oil)	A		At room temperature A
Motor oil	A		
ASTM #2 oil/IRM902 oil (naftenic mineral oil) "A"	B		At room temperature B
ASTM #3 oil/IRM903 oil (aromatic mineral oil)	C		
Hydraulic oil/Transformer oil	C		
Brake fluid	C		
Fatty acids/vegetable oils	C		
Halogenated hydrocarbons			
1,1,2,2-tetrachloro ethane	A	C ₂ H ₂ Cl ₄	
Chloroform	C	CHCl ₃	
Tetrachloro ethylene	C	C ₂ Cl ₄	
Trichloro ethylene	C	C ₂ HCl ₃	
Organic solvents			
Toluene	A	C ₆ H ₅ CH ₃	
Acetone	A/B	CH ₃ COCH ₃	
Diethylether (ether)	A/B	C ₂ H ₅ OC ₂ H ₅	
Ethanol (ethyl alcohol)	A/B	C ₂ H ₅ OH	
Ethyl acetate	C	C ₂ H ₅ O ₂ C ₂ H ₅	
Acids			
Acetic acid	A	CH ₃ COOH	Max. 10%
Phosphoric acid	A	H ₃ PO ₄	Max. 30%
Nitric acid	A	HNO ₃	Max. 10%
Hydrochloric acid	A	HCl	Max. 10%
Sulfuric acid	A	H ₂ SO ₄	Max. 30%
Bases			
Ammonium hydroxide (ammonia)	A	NH ₄ OH (NH ₃ in H ₂ O)	Max. 10%
Sodium hydroxide (caustic soda)	A	NaOH	Max. 10%
Salt solutions			
Calcium chloride	A	CaCl ₂	
Zinc chloride	A	ZnCl ₂	
Miscellaneous			
Water	A	H ₂ O	<140 °F (also applicable for aqueous solutions)
Hydrogen peroxide	C	H ₂ O ₂	

Other chemicals on request

Resistance codes: **A** = Good **B** = Fair **C** = Poor

The information contained in this document is believed to be correct but Watson-Marlow Bredel accepts no liability for any errors it contains and reserves the right to alter specifications without notice.

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