



## **Chemical Compatibility Chart**

### Chemical Compatibility For Material Contact of Standard PM/PI Range, CM/CI Range and PP Range Fittings.

This chart describes the compatibility of the materials of construction for our standard PM/PI, CM/CI and PP ranges of fittings when in contact solely with the listed chemical substance. It is intended as a guide only and is not an assurance of suitability for any specific application. <u>Customers are advised to conduct tests under actual service conditions to determine suitability for their application</u>. For further details, please contact our Technical Support Department.

#### **IMPORTANT: SEE NOTES AT THE END OF THE FOLLOWING PAGE**

AT THE END OF	THE TOLLOWING	ITAGE				
PM/PI Range	CM/CI Range	PP Range	CHEMICAL	PM/PI Range	CM/CI Range	PP Range
UNSUITABLE	SATISFACTORY	NOT TESTED	Cane-Sugar Liquors	NOT TESTED	NOT TESTED	NOT TESTED
NOT TESTED	NOT TESTED	NOT TESTED	Carbon Dioxide - dry	SATISFACTORY	SATISFACTORY	NOT TESTED
SATISFACTORY	GOOD	GOOD	Carbon Dioxide - wet	SATISFACTORY	SATISFACTORY	NOT TESTED
SATISFACTORY	NOT TESTED	NOT TESTED	Carbon Tetrachloride	UNSUITABLE	UNSUITABLE	UNSUITABLE
SATISFACTORY	NOT TESTED	NOT TESTED	Chlorine - dry	UNSUITABLE	UNSUITABLE	UNSUITABLE
UNSUITABLE	GOOD	GOOD	Chlorine - wet	UNSUITABLE	UNSUITABLE	UNSUITABLE
UNSUITABLE	SATISFACTORY	NOT TESTED	Chloroform	UNSUITABLE	UNSUITABLE	UNSUITABLE
NOT FOR	USE WITH THIS SUE	STANCE	Chromic Acid 3%	UNSUITABLE	UNSUITABLE	UNSUITABLE
GOOD	GOOD	GOOD	Citric Acid 10%	SATISFACTORY	SATISFACTORY	SATISFACTORY
NOT TESTED	GOOD	NOT TESTED	Coke Oven Gas	UNSUITABLE	UNSUITABLE	UNSUITABLE
UNSUITABLE	UNSUITABLE	NOT TESTED	Copper Salts	NOT TESTED	NOT TESTED	GOOD
SATISFACTORY	SATISFACTORY	NOT TESTED	Copper Sulfate 10%	GOOD	GOOD	NOT TESTED
UNSUITABLE	UNSUITABLE	NOT TESTED	Cottonseed Oil	GOOD	GOOD	NOT TESTED
GOOD	GOOD	GOOD	Creosote	SATISFACTORY	UNSUITABLE	UNSUITABLE
NOT TESTED	NOT TESTED	NOT TESTED	Cyclohexanol	SATISFACTORY	SATISFACTORY	SATISFACTORY
NOT TESTED	NOT TESTED	NOT TESTED	Cyclohexanone	UNSUITABLE	SATISFACTORY	SATISFACTORY
UNSUITABLE	GOOD	GOOD	D.D.T.	NOT TESTED	NOT TESTED	NOT TESTED
UNSUITABLE	UNSUITABLE	GOOD	Detergent Solution	GOOD	GOOD	GOOD
UNSUITABLE	GOOD	NOT TESTED	Dibutyl Phthalate	UNSUITABLE	SATISFACTORY	NOT TESTED
SATISFACTORY	SATISFACTORY	GOOD	Dichloroethylene	NOT TESTED	NOT TESTED	NOT TESTED
NOT TESTED	NOT TESTED	NOT TESTED	Dimethylformamide	UNSUITABLE	SATISFACTORY	SATISFACTORY
GOOD	GOOD	GOOD	Dioxane	UNSUITABLE	SATISFACTORY	NOT TESTED
UNSUITABLE	NOT TESTED	NOT TESTED	Ether (DAB 6)	NOT TESTED	NOT TESTED	NOT TESTED
SATISFACTORY	SATISFACTORY	SATISFACTORY	Ethyl Acetate	UNSUITABLE	SATISFACTORY	SATISFACTORY
NOT TESTED	NOT TESTED	NOT TESTED	Ethyl Alcohol (50%)	GOOD	GOOD	GOOD
UNSUITABLE	SATISFACTORY	SATISFACTORY	Ethyl Alcohol (95%)	GOOD	GOOD	GOOD
SATISFACTORY	UNSUITABLE	UNSUITABLE	Ethylene Glycol	GOOD	GOOD	NOT TESTED
SATISFACTORY	UNSUITABLE	UNSUITABLE	Fernox Inhibitor	Re	fer to John Guest USA	Inc.
NOT TESTED	NOT TESTED	NOT TESTED	Ferric Chloride 10%	UNSUITABLE	UNSUITABLE	NOT TESTED
NOT TESTED	NOT TESTED	NOT TESTED	Ferric Sulfate	NOT TESTED	NOT TESTED	NOT TESTED
GOOD	GOOD	GOOD	Ferrous Chloride	UNSUITABLE	UNSUITABLE	NOT TESTED
NOT TESTED	NOT TESTED	NOT TESTED	Ferrous Sulfate	SATISFACTORY	SATISFACTORY	NOT TESTED
UNSUITABLE	GOOD	GOOD	Formaldehyde 40%	UNSUITABLE	SATISFACTORY	SATISFACTORY
UNSUITABLE	UNSUITABLE	UNSUITABLE	Formic Acid 10%	UNSUITABLE	UNSUITABLE	GOOD
UNSUITABLE	UNSUITABLE	UNSUITABLE	Freon	Ref	er to John Guest USA	Inc.
SATISFACTORY	GOOD	GOOD	Gelatin	NOT TESTED	NOT TESTED	NOT TESTED
GOOD	GOOD	GOOD	Glucose	GOOD	GOOD	GOOD
NOT TESTED	NOT TESTED	NOT TESTED	Glycerin	GOOD	GOOD	GOOD
NOT TESTED	NOT TESTED	NOT TESTED	Heptane	NOT TESTED	NOT TESTED	NOT TESTED
UNSUITABLE	UNSUITABLE	UNSUITABLE	Hydraulic Fluid	NOT TESTED	NOT TESTED	NOT TESTED
UNSUITABLE	UNSUITABLE	NOT TESTED	Hydraulic Fluid - Fire Resistant	NOT TESTED	NOT TESTED	NOT TESTED
			II. dada a assis Assis			
NOT TESTED	NOT TESTED	NOT TESTED	Hydrobromide Acid	LINCLITADI E	LINCLITADI E	COOD
NOT TESTED  NOT TESTED	NOT TESTED  NOT TESTED	NOT TESTED  NOT TESTED	(Hydrobromic Acid)	UNSUITABLE	UNSUITABLE	GOOD
NOT TESTED		NOT TESTED	1 1	UNSUITABLE UNSUITABLE	UNSUITABLE UNSUITABLE	GOOD SATISFACTORY
NOT TESTED	NOT TESTED	NOT TESTED	(Hydrobromic Acid)			
NOT TESTED  NOT FOR	NOT TESTED	NOT TESTED	(Hydrobromic Acid) Hydrochloric Acid 30%	UNSUITABLE	UNSUITABLE	SATISFACTORY
NOT TESTED  NOT FOR  GOOD	NOT TESTED  USE WITH THIS SUE  GOOD	NOT TESTED  STANCE  GOOD	(Hydrobromic Acid) Hydrochloric Acid 30% Hydrochloric Acid 50%	UNSUITABLE UNSUITABLE	UNSUITABLE UNSUITABLE	SATISFACTORY NOT TESTED
NOT TESTED  NOT FOR  GOOD  UNSUITABLE	NOT TESTED  USE WITH THIS SUE  GOOD  SATISFACTORY	NOT TESTED  STANCE  GOOD  SATISFACTORY	(Hydrobromic Acid)  Hydrochloric Acid 30%  Hydrochloric Acid 50%  Hydrocyanic Acid	UNSUITABLE UNSUITABLE NOT TESTED	UNSUITABLE UNSUITABLE NOT TESTED	SATISFACTORY NOT TESTED NOT TESTED
NOT TESTED  NOT FOR  GOOD  UNSUITABLE  NOT TESTED	NOT TESTED  USE WITH THIS SUE  GOOD  SATISFACTORY  NOT TESTED	NOT TESTED  STANCE  GOOD  SATISFACTORY  NOT TESTED	(Hydrobromic Acid)  Hydrochloric Acid 30%  Hydrochloric Acid 50%  Hydrocyanic Acid  Hydrofluoric Acid - dilute	UNSUITABLE UNSUITABLE NOT TESTED UNSUITABLE	UNSUITABLE UNSUITABLE NOT TESTED UNSUITABLE	SATISFACTORY  NOT TESTED  NOT TESTED  GOOD
NOT TESTED  NOT FOR  GOOD  UNSUITABLE  NOT TESTED  NOT TESTED	NOT TESTED  USE WITH THIS SUE  GOOD  SATISFACTORY  NOT TESTED  NOT TESTED	NOT TESTED  STANCE  GOOD  SATISFACTORY  NOT TESTED  NOT TESTED	(Hydrobromic Acid)  Hydrochloric Acid 30%  Hydrochloric Acid 50%  Hydrocyanic Acid  Hydrofluoric Acid - dilute  Hydrofluoric Acid 40%	UNSUITABLE UNSUITABLE NOT TESTED UNSUITABLE UNSUITABLE UNSUITABLE	UNSUITABLE UNSUITABLE NOT TESTED UNSUITABLE UNSUITABLE	SATISFACTORY  NOT TESTED  NOT TESTED  GOOD  NOT TESTED
NOT TESTED  NOT FOR  GOOD  UNSUITABLE  NOT TESTED  NOT TESTED  NOT TESTED	NOT TESTED  USE WITH THIS SUE GOOD  SATISFACTORY  NOT TESTED  NOT TESTED  NOT TESTED	NOT TESTED STANCE GOOD SATISFACTORY NOT TESTED NOT TESTED NOT TESTED	(Hydrobromic Acid)  Hydrochloric Acid 30%  Hydrochloric Acid 50%  Hydrocyanic Acid  Hydrofluoric Acid - dilute  Hydrofluoric Acid 40%  Hydrofluoric Acid 50%	UNSUITABLE UNSUITABLE NOT TESTED UNSUITABLE UNSUITABLE UNSUITABLE	UNSUITABLE UNSUITABLE NOT TESTED UNSUITABLE UNSUITABLE UNSUITABLE	SATISFACTORY  NOT TESTED  NOT TESTED  GOOD  NOT TESTED
	PM/PI Range  UNSUITABLE  NOT TESTED  SATISFACTORY  SATISFACTORY  UNSUITABLE  UNSUITABLE  UNSUITABLE  UNSUITABLE  SATISFACTORY  UNSUITABLE  SATISFACTORY  UNSUITABLE  UNSUITABLE  UNSUITABLE  UNSUITABLE  UNSUITABLE  UNSUITABLE  UNSUITABLE  SATISFACTORY  NOT TESTED  UNSUITABLE  UNSUITABLE	PM/PI Range UNSUITABLE SATISFACTORY NOT TESTED SATISFACTORY NOT TESTED SATISFACTORY SATISFACTORY NOT TESTED UNSUITABLE GOOD UNSUITABLE GOOD UNSUITABLE SATISFACTORY UNSUITABLE	PM/PI Range CM/CI Range PP Range UNSUITABLE SATISFACTORY NOT TESTED NOT TESTED NOT TESTED NOT TESTED SATISFACTORY GOOD GOOD SATISFACTORY NOT TESTED NOT TESTED UNSUITABLE GOOD GOOD UNSUITABLE SATISFACTORY NOT TESTED  NOT FOR USE WITH THIS SUBSTANCE GOOD GOOD NOT TESTED UNSUITABLE UNSUITABLE GOOD UNSUITABLE GOOD GOOD UNSUITABLE UNSUITABLE GOOD UNSUITABLE GOOD GOOD UNSUITABLE UNSUITABLE UNSUITABLE GOOD UNSUITABLE UNSU	PM/PI Range CM/CI Range PP Range CHEMICAL  UNSUITABLE SATISFACTORY NOT TESTED Carbon Dioxide - dry  SATISFACTORY GOOD GOOD Carbon Dioxide - wet  SATISFACTORY NOT TESTED NOT TESTED Carbon Dioxide - wet  SATISFACTORY NOT TESTED NOT TESTED Carbon Dioxide - wet  SATISFACTORY NOT TESTED NOT TESTED Carbon Tetrachloride  UNSUITABLE GOOD GOOD Chlorine - wet  UNSUITABLE SATISFACTORY NOT TESTED Chlorine - dry  NOT FOR USE WITH THIS SUBSTANCE Chromic Acid 3%  GOOD GOOD GOOD Citric Acid 10%  NOT TESTED GOOD NOT TESTED Copper Salts  SATISFACTORY NOT TESTED COPPER Salts  UNSUITABLE UNSUITABLE NOT TESTED COPPER Salts  GOOD GOOD GOOD Creosate  UNSUITABLE UNSUITABLE NOT TESTED Cyclohexanol  NOT TESTED NOT TESTED NOT TESTED Cyclohexanol  NOT TESTED NOT TESTED NOT TESTED Cyclohexanol  NOT TESTED NOT TESTED NOT TESTED Dibutyl Phthalate  UNSUITABLE UNSUITABLE GOOD Dichloroethylene  UNSUITABLE GOOD GOOD Dichloroethylene  NOT TESTED NOT TESTED NOT TESTED Dibutyl Phthalate  SATISFACTORY SATISFACTORY SATISFACTORY GOOD Dichloroethylene  NOT TESTED NOT TESTED NOT TESTED Dimethylformamide  GOOD GOOD GOOD GOOD Dichloroethylene  NOT TESTED NOT TESTED NOT TESTED Dimethylformamide  SATISFACTORY SATISFACTORY SATISFACTORY SATISFACTORY SATISFACTORY SATISFACTORY SATISFACTORY SATISFACTORY UNSUITABLE UNSUITABLE UNSUITABLE UNSUITABLE UNSUITABLE UNSUITABLE Ferrox Inhibitor  NOT TESTED NOT TESTED NOT TESTED Ethyl Alcohol (50%)  SATISFACTORY UNSUITABLE UNSUITABLE ETHYL RESTED FERROX SUlfate  UNSUITABLE SATISFACTORY SATISFACTORY SATISFACTORY SATISFACTORY UNSUITABLE UNSUITABLE ETHYL RESTED FERROX SUlfate  UNSUITABLE SATISFACTORY SATISFACTORY SATISFACTORY UNSUITABLE UNSUITABLE UNSUITABLE FROM SATISFACTORY SATISFACTORY UNSUITABLE UNSUITABLE UNSUITABLE FROM SATISFACTORY SATISFACTORY SATISFACTORY UNSUITABLE UNSUITABLE UNSUITABLE UNSUITABLE UNSUITABLE UNSUITABLE UNSUITABLE UNSUITABLE Hydraulic Fluid  UNSUITABLE UNSUITABLE UNSUITABLE Hydraulic Fluid - Fire Resistant  UNSUITABLE UNSUITABLE UNSUITABLE Hydraulic Fluid - Fire Resistant	PM/PI Range UNSUTIABLE SATISFACTORY NOT TESTED NOT TESTED NOT TESTED NOT TESTED ONOT TESTED SATISFACTORY NOT TESTED SATISFACTORY SATISFACTORY NOT TESTED SATISFACTORY NOT TESTED NOT TESTED NOT TESTED SATISFACTORY SATISFACTORY SATISFACTORY NOT TESTED NOT TESTED NOT TESTED SATISFACTORY NOT TESTED SATISFACTORY NOT TESTED NOT TESTED Chlorine - wet UNSUITABLE UNSUITABLE SATISFACTORY NOT TESTED Chloroform UNSUITABLE NOT FOR USE WITH THIS SUBSTANCE Chromig Acid 3% UNSUITABLE UNSUITABLE UNSUITABLE UNSUITABLE UNSUITABLE NOT TESTED Coke Oven Gas UNSUITABLE UNSUITABLE UNSUITABLE UNSUITABLE NOT TESTED Coke Oven Gas UNSUITABLE UNSUITABLE UNSUITABLE NOT TESTED Copper Salts NOT TESTED GOOD GOOD GOOD Creesore SATISFACTORY NOT TESTED Cottonseed Oil GOOD Creesore UNSUITABLE NOT TESTED NOT TES	PM/PI Range CM/CI Range UNSUTABLE SATISFACTORY NOT TESTED Cane-Sugar Liquors MOT TESTED NOT TESTED NOT TESTED Carbon Dioxide - vert SATISFACTORY NOT TESTED NOT TESTED Chlorine - dry UNSUITABLE UNSUITABLE UNSUITABLE GOOD GOOD Chlorine - wet UNSUITABLE UNSUITABLE UNSUITABLE UNSUITABLE SATISFACTORY NOT TESTED Chlorine - wet UNSUITABLE UNSUITABLE UNSUITABLE UNSUITABLE SATISFACTORY NOT TESTED Chlorine - wet UNSUITABLE UNSUITABL







# Chemical Compatibility Chart

**CHEMICAL COMPATIBILITY (continued)** 

CHEMICAL COMPATIB	PM/PI Range	CM/CI Range	PP Range	CHEMICAL	PM/PI Range	CM/CI Range	PP Range
Hydrogen Sulfide	UNSUITABLE	SATISFACTORY	GOOD	Shellac	NOT TESTED	NOT TESTED	NOT TESTED
lodine (in Alcohol solution)	UNSUITABLE	UNSUITABLE	NOT TESTED	Silver Nitrate	SATISFACTORY	SATISFACTORY	NOT TESTED
Iso-Propanol	SATISFACTORY	GOOD	NOT TESTED	Soap Solution	GOOD	GOOD	GOOD
Kerosene	SATISFACTORY	UNSUITABLE	UNSUITABLE	Sodium Bicarbonate 10%	NOT TESTED	NOT TESTED	NOT TESTED
Lactic Acid 20%	SATISFACTORY	GOOD	GOOD	Sodium Bisulfate	UNSUITABLE	UNSUITABLE	NOT TESTED
Lead Acetate	SATISFACTORY	SATISFACTORY	NOT TESTED	Sodium Bisulfite	UNSUITABLE	UNSUITABLE	NOT TESTED
Lime Sulfur	NOT TESTED	NOT TESTED	NOT TESTED	Sodium Borate	GOOD	GOOD	NOT TESTED
Linseed Oil	GOOD	GOOD	GOOD	Sodium Carbonate 10%	GOOD	GOOD	GOOD
Lubrication Grease -	4002	4002	GOOD	Sodium Chlorate	NOT TESTED	NOT TESTED	NOT TESTED
with Molybdenum	NOT TESTED	NOT TESTED	NOT TESTED	Sodium Chloride 10%	GOOD	GOOD	GOOD
Machine Oil	NOT TESTED	NOT TESTED	NOT TESTED	Sodium Cyanide	SATISFACTORY	SATISFACTORY	NOT TESTED
Magnesium Chloride	SATISFACTORY	SATISFACTORY	NOT TESTED	Sodium Hydroxide			
Magnesium Hydroxide	SATISFACTORY	GOOD	NOT TESTED	(Caustic Soda Solution)	SATISFACTORY	GOOD	GOOD
Magnesium Sulfate	NOT TESTED	NOT TESTED	NOT TESTED	Sodium Hypochlorite			
Maleic Acid	UNSUITABLE	UNSUITABLE	UNSUITABLE	(12.5% active Chlorine)	UNSUITABLE	UNSUITABLE	SATISFACTORY
Manganese Salts	NOT TESTED	NOT TESTED	NOT TESTED	Sodium Metaphosphate	NOT TESTED	NOT TESTED	NOT TESTED
Mayonnaise	NOT TESTED	NOT TESTED	NOT TESTED	Sodium Nitrate 10% pH 8.8	GOOD	GOOD	GOOD
Mercuric Chloride	UNSUITABLE	UNSUITABLE	NOT TESTED	Sodium Perborate	NOT TESTED	NOT TESTED	NOT TESTED
Mercury	GOOD	GOOD	GOOD	Sodium Phosphate	NOT TESTED	NOT TESTED	NOT TESTED
Methanol		R USE WITH THIS SUE		Sodium Silicate	NOT TESTED	NOT TESTED	NOT TESTED
Methyl Chloride	UNSUITABLE	UNSUITABLE	UNSUITABLE	Sodium Sulfate	NOT TESTED	NOT TESTED	NOT TESTED
Milk	SATISFACTORY	SATISFACTORY	GOOD	Sodium Sulfite	NOT TESTED	NOT TESTED	NOT TESTED
Motor Oil	NOT TESTED	NOT TESTED	NOT TESTED	Sodium Thiosulfate	NOT TESTED	NOT TESTED	NOT TESTED
Natural Gas		R USE WITH THIS SUE		Stearic Acid	SATISFACTORY	SATISFACTORY	SATISFACTORY
Nickel Salts	NOT TESTED	NOT TESTED	GOOD	Succinic Acid	NOT TESTED	NOT TESTED	NOT TESTED
Nitric Acid 10%	UNSUITABLE	UNSUITABLE	SATISFACTORY	Sulfate Liguors	NOT TESTED	NOT TESTED	NOT TESTED
Nitric Acid - concentrated	UNSUITABLE	UNSUITABLE	UNSUITABLE	Sulfur	UNSUITABLE	SATISFACTORY	GOOD
Nitrobenzene	UNSUITABLE	NOT TESTED	NOT TESTED	Sulfur Chloride	UNSUITABLE	UNSUITABLE	UNSUITABLE
Nitrogen Oxides	NOT TESTED	NOT TESTED	NOT TESTED	Sulfur Dioxide Gas	UNSUITABLE	UNSUITABLE	GOOD
Nitrous Acid	UNSUITABLE	UNSUITABLE	NOT TESTED	Sulfuric Acid 3%	NOT TESTED	GOOD	GOOD
Oleic Acid	SATISFACTORY	NOT TESTED	NOT TESTED	Sulfuric Acid 10%	NOT TESTED	SATISFACTORY	GOOD
Olive Oil	GOOD	SATISFACTORY	SATISFACTORY	Sulfuric Acid - concentrated	UNSUITABLE	UNSUITABLE	UNSUITABLE
Oxalic Acid	SATISFACTORY	SATISFACTORY	GOOD	Sulfurous Acid	UNSUITABLE	UNSUITABLE	NOT TESTED
Oxygen	SATISFACTORY	SATISFACTORY	NOT TESTED	Tannic Acid	SATISFACTORY	SATISFACTORY	NOT TESTED
Palmitic Acid	SATISFACTORY	SATISFACTORY	NOT TESTED	Tar	SATISFACTORY	UNSUITABLE	UNSUITABLE
Perchloric Acid	UNSUITABLE	UNSUITABLE	NOT TESTED	Tartaric Acid	UNSUITABLE	UNSUITABLE	SATISFACTORY
Petroleum Oils	NOT TESTED	NOT TESTED	NOT TESTED	Tetrahydrofuran	UNSUITABLE	NOT TESTED	NOT TESTED
Petroleum - Refined	NOT TESTED	NOT TESTED	NOT TESTED	Tetralin	NOT TESTED	NOT TESTED	NOT TESTED
Petrol	SATISFACTORY	UNSUITABLE	UNSUITABLE	Thiophene	NOT TESTED	NOT TESTED	NOT TESTED
Phenol	UNSUITABLE	NOT TESTED	NOT TESTED	Toluene	UNSUITABLE	UNSUITABLE	UNSUITABLE
Phosphoric Acid 20 - 25%	UNSUITABLE	GOOD	GOOD	Tomatoes	NOT TESTED	NOT TESTED	NOT TESTED
Phosphoric Acid - concentrated	UNSUITABLE	UNSUITABLE	SATISFACTORY	Trichloroethane	UNSUITABLE	UNSUITABLE	UNSUITABLE
Picric Acid - Molten	UNSUITABLE	UNSUITABLE	NOT TESTED	Turpentine	SATISFACTORY	UNSUITABLE	UNSUITABLE
Picric Acid - Aqueous	UNSUITABLE	UNSUITABLE	NOT TESTED	Urea	NOT TESTED	NOT TESTED	NOT TESTED
Potable water	GOOD	GOOD	GOOD	Varnish	SATISFACTORY	UNSUITABLE	UNSUITABLE
Potassium Hydroxide 50%	SATISFACTORY	GOOD	GOOD	Vegetable Oil	SATISFACTORY	SATISFACTORY	SATISFACTORY
Potassium Salts	NOT TESTED	NOT TESTED	NOT TESTED	Vinegar	SATISFACTORY	SATISFACTORY	GOOD
Propane	NOT FO	R USE WITH THIS SUE	BSTANCE	Xylene	UNSUITABLE	UNSUITABLE	UNSUITABLE
Pyridine	UNSUITABLE	UNSUITABLE	SATISFACTORY	Zinc Acetate	SATISFACTORY	SATISFACTORY	NOT TESTED
Rosin, Light	NOT TESTED	NOT TESTED	NOT TESTED	Zinc Chloride	UNSUITABLE	UNSUITABLE	NOT TESTED

GOOD: Weight increase of less than 5%, or weight loss of less than 3%, and/or a change of the tensile properties of less than 25%. SATISFACTORY: Weight increase 5% to 10% or weight loss 3% to 5% and/or a change of the tensile properties of 25% to 40%.

NOT TESTED: This combination has not been tested or reliable data is not available. UNSUITABLE: The materials used in the fittings are not suitable for this chemical.

#### MATERIALS USED IN THE CONSTRUCTION OF FITTINGS

PM/PI RANGE	BODY—ACETAL	SEALS & '0' RINGS—NITRILE	COLLETS—ACETAL & STAINLESS STEEL
CM/CI RANGE	BODY—ACETAL	SEALS & '0' RINGS—EPDM	COLLETS—ACETAL & STAINLESS STEEL
PP RANGE	BODY—POLYPROPYLENE	SEALS & '0' RINGS—EPDM	COLLETS—POLYPROPYLENE & STAINLESS STEEL

Note: Ratings used in the tables were generally assessed over a period of 30 days by our material suppliers and relate to the chemicals being at a temperature of 20°C (68°F)

