

BOSS POLYMER TECHNOLOGIES PTY LTD

INDICATIVE CHEMICAL RESISTANCE OF SANTOPRENE® TPV

LEGEND

R - Recommended - Little or No Effect

M - Minor or Moderate Effect - Useful in Many Applications

S - Moderate or Severe Effect - Parts perhaps still useful in specific limited applications

N - Not Recommended

Disclaimer - This document is published in good faith as a guide from suppliers and manufacturers information. Whilst every effort has been made to provide accurate information we cannot, however, take responsibility for its use. Please Note - IT IS ALWAYS BEST TO TEST.

	FLUIDS	IMMERSION TEMPERATURE °C	SHORE HARDNESS 64A
Acids & Alkalis	98% Sulfuric Acid	23	R
	10% Hydrochloric Acid	23	R
	50% Sodium Hydroxide	23	R
	10% Potassium Hydroxide	23	R
Aqueous Solutions	Water	100	R
	10% Zinc Chloride	23	R
	Sea Water	23	R
	15% Sodium Chloride	23	R
	18% Calcium Chloride / 14% Calcium Bromide	150	R
	2.5% Detergent (Tide®)	23	R
Organic Solvents	Acetic Acid	23	R
	Acrylonitrile	23	R
	Aniline	23	R
	Bromobenzene	23	N
	<i>n</i> -Butyl Acetate	23	R
	Cyclohexane	23	S
	Diethyl Ether	23	R
	Dimethylformamide (DMF)	23	R
	Diocyl Phthalate	23	R
	1,4 Dioxane	23	R
	95% Ethanol	23	R
	Glycerol	23	R
	<i>n</i> -Hexane	23	R
	Methylethylketone	23	M
	Nitrobenzene	23	R
	Piperidine	23	M
	1-Propanol	23	R
	Pyridine	23	R
	Trichloroethylene	23	N
	Turpentine	23	N
Xylene	23	S	
Petroleum Oils & Fuels	ASTM #1 Oil	100	M
		125	M
	IRM 902 Oil	100	S
		125	N
	IRM 903 Oil	100	N
		125	N
	Reference Fuel A (Isooctane)	23	M
	Reference Fuel B (Isooctane/Toluene, 70/30)	23	S
Reference Fuel C (Isooctane/Toluene, 50/50)	23	S	
Automotive Fluids	Automatic Transmission Fluid	125	S
	Hydraulic Brake Fluid	23	R
		100	R
	Lithium Grease	23	R
		100	S
	Power Steering Fluid	125	N
Antifreeze, 50/50 Ethylene Glycol (Prestone®) / Water	125	R	
Industrial Fluids	Pydraul® 312 (Monsanto, phosphate ester)	125	R
	Skydrol® 500, B4 (Solutia, phosphate ester)	125	R
	Sunvis® 706 Fluid (Sun Oil, petroleum base)	125	S
	Ucon® CC732 (Union Carbide, polyalkylene glycol)	125	R
	Ucon® 50HB5100 (Union Carbide, polyalkylene glycol)	125	M
	Freon® 11 (DuPont, halocarbon)	5	S