

## DURAJOINT TPER WATERSTOP CHEMICAL RESISTANCE CHART

Fluids	Temp., °C	Ultimate	Tensile Strength	Stress at 100%	Hardness	Weight, %	Recommended for use
		Elongation, %	% Change	Elongation, %	Change, Shore		
		Change	% Change	Change	A Units	Change	
<b>Acids and Alkalis</b>							
98% Sulfuric Acid	23	-25	-12	20	2	4.0	Yes
10% Hydrochloric Acid	23	0	4	8	1	0.6	Yes
50% Sodium Hydroxide	23	1	5	15	1	-0.1	Yes
10% Potassium Hydroxide	23	2	2	11	1	0.3	Yes
<b>Aqueous Solutions</b>							
Water	100	-7	2	0	-3	4.5	Yes
10% Zinc Chloride	23	0	2	2	3	0.1	Yes
Sea Water	23	-4	-5	0	0	0.4	Yes
15% Sodium Chloride	23	0	-4	-2	2	0.3	Yes
18% Calcium Chloride/ 14% Calcium Bromide	150	15	-10	8	-3	0.4	Yes
2.5% Detergent (Tide)	23	1	1	9	1	0.1	Yes
<b>Organic Solvents</b>							
Acetic Acid	23	1	1	2	-2	5.9	Yes
Acrylonitrile	23	0	6	12	1	-0.8	Yes
Aniline	23	-3	-3	12	1	1.3	Yes
Bromobenzene	23	-17	-18	-13	-10	67.0	Yes
n-Butyl Acetate	23	5	3	-11	1	-4.1	Yes
Cyclohexane	23	-32	-25	-13	-16	64.7	Yes
Diethyl Ether	23	0	-1	6	-5	0.0	Yes
Dimethylformamide	23	5	6	0	2	0.9	Yes
Diethyl Phthalate	23	4	-1	2	1	-3.7	Yes
1,4-Dioxane	23	3	-1	-2	0	0.7	Yes
95% Ethanol	23	-1	-7	-2	1	-1.6	Yes
Glycerol	23	-3	-6	2	1	0.3	Yes
n-Hexane	23	-17	-12	-1	-12	12.8	Yes
Methylethylketone	23	8	13	0	3	-10.2	Yes
Nitrobenzene	23	6	6	4	3	-5.3	Yes
Piperidine	23	-12	-12	-9	-10	18.0	Yes
1-Propanol	23	13	21	0	6	-8.5	Yes
Pyridine	23	5	7	-4	3	-11.6	Yes
Trichloroethylene	23	-23	-14	-9	-14	139.0	Yes
Turpentine	23	-30	-22	-5	-14	54.5	Yes
Xylene	23	-25	-21	-11	-13	45.2	Yes
<b>Petroleum Oils and Fuels</b>							
ASTM #1 Oil	100	-20	-12	-6	-9	28.7	Yes
	125	-27	-16	-9	-15	33.5	Yes
IRM 902 Oil	100	-30	-21	-6	-13	42.1	Yes
	125	-41	-29	-10	-17	50.2	Yes
IRM 903 Oil	100	-44	-33	-13	-20	60.0	Yes
	125	-51	-40	-21	-26	74.5	Yes
Reference Fuel A (Isooctane)	23	-25	-15	-9	-11	22.5	Yes
Reference Fuel B (Isooctane/Toluene, 70/30)	23	-20	-14	-15	-20	41.6	Yes
Reference Fuel C (Isooctane/Toluene, 50/50)	23	-27	-20	-13	-12	46.9	Yes
<b>Automotive Fluids</b>							
Automatic Transmission Fluid	125	-42	-27	-21	-22	59.1	Yes
Hydraulic Brake Fluid	23	5	8	-4	2	-2.4	Yes
	100	15	21	6	6	-18.7	Yes
Lithium Grease	23	-12	-6	-4	-2	8.8	Yes
	100	-20	-17	-6	-10	32.6	Yes
Power Steering Fluid	125	-50	-38	-19	-28	68.2	Yes
Antifreeze, 50/50 Ethylene - Glycol (Prestone®)/Water	125	-15	-4	-6	-1	4.4	Yes
<b>Industrial Fluids</b>							
Pydraul® 312	125	-25	-19	-13	-11	21.7	Yes
Skydrol® 500 B4	125	8	9	-11	3	-11.6	Yes
Sunvis® 706 Fluid	125	-42	-29	-17	-19	54.5	Yes
Ucon® CC732	125	-12	-4	-6	-4	7.3	Yes
Ucon® 50HB5100	125	5	21	9	10	-21.7	Yes
Freon® 11	5	-12	-7	-8	-11	43.0	Yes