

New EPX Chemical Compatibility

Results: Test New EPX to USCAR-2 fluids compatibility standard

Excellent chemical compatibility with >95% retained mechanical properties for almost all che

Liquids	Liquid Submersion Temperature for 0.5hr (°C)	EPX 82 Modulus (Mpa)	EPX 82 Ultimate Tensile Strength (Mpa)	EPX 82 Elongation to Break (%)	STDEV Modulus	STDEV UTS	STDEV Elongation	Retained Tensile Modulus	Retained Ultimate Tensile Strength	Retained Elongation to Break
0 Control	NA	2960	67.9	14.7	170	0.242	1.866	100%	100%	100%
1 Gasoline	23	2860	66.5	17.5	93	0.4	1.207	97%	98%	119%
2 Diesel	23	2890	67.7	14.9	95.3	0.403	2.449	98%	100%	101%
3 E85	23	2850	67.3	16.7	148	0.233	1.522	96%	99%	114%
4 Diesel Exhaust Fluid	23	2840	65.7	10.7	74.4	0.422	2.531	96%	97%	73%
5 Engine Oil	50	2960	68.1	15.5	141	0.712	1.54	100%	100%	105%
6 Power steering fluid	50	2870	66.1	18.4	80.4	0.562	1.26	97%	97%	125%
7 Automatic transmission fluid	50	2870	67.9	15.3	140	0.677	1.885	97%	100%	104%
8 Engine Coolant 50/50	50	2830	65.8	17.1	163	0.452	1.84	96%	97%	116%
9 Brake Fluid DOT 4	50	2850	66.5	10.7	191	0.466	2.432	96%	98%	73%