

The Chemical Resistance of DAELIM PLAVIS

PLAVIS has good resistance to many organic solvent, oil and greases such as ATF (Auto Transmission Fluid).

Even at high temperature in these lubricants, the mechanical properties of PLAVIS are not significantly changed.

PLAVIS should not be used in strong alkali conditions such as a pH over 10.

The chemical structure of PLAVIS is not resistant to base

Chemicals	°C	Time(hrs)	% Tensile Strength Retained by PLAVIS
<i>m</i> -Cresol	204	1,000	75
<i>o</i> -Dichlorobenzene	179	1000	100
Diethylketone	99	1,900	100
EtOH	99	1,900	100
Nitrobenzene	215	1,000	85
Perchloro ethylene	99	1,900	100
Toluene	99	1,900	100
Gasoline, Oil	114	1,000	100
Hydraulic Fluid	99	1,900	80
JP-Fuel(MIL L78086)	260	600	90
Mineral Oil	200	1,000	90
Silicon Fluid	260	1,000	85
Acetic acid 15%	99	1,900	20
Hydrochloric acid 38%	24	120	90
Nitric acid 70%	23	120	40
NaOH 5%	23	120	55
Nitrogen tetroxide	23	120	60