

Enviro Tech Product		HD Pro	HD Pro 43	HD Pro 43A	HD Pro 70	HD Pro 70A	Fluoro	Fluoro IPA
Appearance	-	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Flash Point	-	None	None	None	None	None	None	None
Boiling Point	°C (°F)	45.5 (113.9)	39 (102)	38 (100)	42 (108)	42 (108)	56 (133)	54 (129)
KB Value	-	94	63	62	74	81	13	13
Specific Gravity	g/mL @ 25°C	1.272	1.362	1.359	1.32	1.318	1.47	1.426
Viscosity	cP @ 20°C	0.41	0.41	0.41	0.41	0.41	0.65	0.63
Heat Capacity	cal/g @ 20°C	0.27	0.270	0.270	0.270	0.270	0.306	0.306
Vapor Pressure	mmHg @ 20°C	292	368	368	368	343	233	233
Lower Limit Vapor Flammability in Air	-	5.70%	6.70%	6.70%	6.70%	6.70%	-	-
Upper Limit Vapor Flammability in Air	-	19%	19%	19%	19%	19%	-	-
VOC Content	g/L	1115	587	547	771	770	exempt	71.3

ABS	N	N	N	N	N	N	R	R
Cast Acrylic	N	N	N	N	N	N	N	N
Cast Nylon 6	R	R	R	R	R	R	R	R
Cellulose-Acetate	R	R	R	R	R	R	R	R
CPVC	N	N	N	N	N	N	N	N
Delrin	R	R	R	R	R	R	R	R
Extruded Acrylic	N	N	N	N	N	N	N	N
Extruded Nylon 6/6	R	R	R	R	R	R	R	R
FEP	R	R	R	R	R	R	R	R
HDPE	M	M	M	M	M	M	R	R
LDPE	N	M	M	M	M	M	M	R
Noryl PPO	N	N	N	N	N	N	M	M
PEEK	R	R	R	R	R	R	R	R
PETG	N	N	N	N	N	N	M	M
PFA	M	M	M	M	M	M	R	R
Polycarbonate	N	N	N	N	N	N	N	N
Polyester	R	R	R	R	R	R	R	R
Polyimide	N	N	N	N	N	N	M	M
Polypropylene	N	N	N	N	N	N	M	M
Polystyrene	N	N	N	N	N	N	R	R
Polysulfone	M	M	M	M	M	M	M	M
PPS	R	R	R	R	R	R	R	R
PVC Clear	N	N	N	N	N	N	N	N
Rexolite	N	N	N	N	N	N	M	R
Torlon PAI	R	R	R	R	R	R	R	R
UHMW	M	M	M	M	M	M	M	M
Ultem	M	M	M	M	M	M	M	M

R - Recommended
M - Marginal
N - Not Recommended

Compatibility is based on full immersion tests of three different lengths: 2hr, 4hr, and 24 hr.

The worst of any of these tests is the prevailing recommendation of compatibility.

A test coupon sourced from McMaster Carr is cut into a 1" x 1" square and weighed and measured. The prevailing method we use for compatibility is weight. The measurements can be used if there is a noticeable physical change. IF there is noticeable cracking or physical breakdown that warrants a non-compatibility, but the weight passed, the compatibility will be based off of the physical.

A new coupon is used for each immersion. The coupons are immersed in a sealed container for the prescribed time and then taken out. They are dried for 2 minutes, allowing for surface evaporation, and then weighed.

R < 2wt% change

M = 2-8 wt% change

N > 8 wt% change

For internal use only. Some values are based off 1, 2 trans dichloroethylene or neat HFE.

