

PROCESS OIL S

ISO GRADES 7, 15, 22, 32, 46

Typical Properties

ISO Grade (APPROX)	7	15	22	32	46
Color, ASTM D-1500			<0.5	<0.5	<0.5
Appearance	Water Clear	Water Clear	Water Clear	Water Clear	Water Clear
Viscosity, cSt					
At 40 C	7.25	13.65	18.92	30.41	47.25
At 100 C	2.20	3.33	4.24	5.84	7.87
Viscosity Index	109	115	132	139	136
Flash Point, (COC) Deg F	325	399	446	460	518
Pour Point, Deg F	-34	-13	-13	-9	-6
Neut. No., ASTM D 974	0.55	0.55	0.55	0.55	0.55
Gravity, API @ 60 F	40.1	39.0	38.9	37.9	36.6
Emulsion Test, ASTM D-1401 (40-40-0)	10 Min	10 Min	10 Min	10 Min	10 Min
Dielectric Strength, ASTM D-877	35KV	35KV	35KV	35 KV	35KV

The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.

The five grades of Process Oil S (Synthetic) display outstanding stability and are designed to meet the demanding requirements as a matrix or an extender oil. They are characterized by bright/clear appearance with low deposit properties, rapid release of entrained air, relatively low pour points, oxidation resistance, and good anti-foam properties. These oils are poly aromatic-free with increased biodegradability and comply with requirements of the U.S. EPA LC50 test utilizing marine statistical sampling of mysidopsis-bahia shrimp, rainbow trout, and fathead minnow. They are produced with synthetic base stocks.

APPLICATIONS

These oils can be utilized as plasticizers, carriers, diluents, and extenders in industrial material formulations and chemical processes.