PROCESS OIL "HC"
ISO GRADES 10, 22, 32, 46, 68, 100

Typical Properties

ISO Grade	10	22	32	46	68	100
Color, ASTM D-1500	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Appearance	Water Clear	Water Clear	Water Clear	Water Clear	WaterClear	WaterClear
Viscosity, cSt						
At 40 C	10.2	21.5	31.71	46.5	67.2	98.8
At 100 C	2.6	4.2	5.3	6.8	8.6	10.9
Viscosity Index	77	100	100	99	98	95
Flash Point, (COC) Deg F	345	395	400	415	425	450
Pour Point, Deg F	-33	0	0	+5	+5	+10
Neut. No., ASTM D 974	0.55	0.55	0.55	0.55	0.55	0.55
Gravity, API @ 60 F	31.7	34.4	33.1	32.4	31.6	31.0
Emulsion Test, ASTM D-1401 (40-40-0)	10 Min	10 Min	10 Min	10 Min	10 Min	10 Min
Dielectric Strength, ASTM D-877	35KV	35KV	35KV	35KV	35KV	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 "HC" 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 LC_{50} test utilizing marine statistical sampling of mysidopsis-bahia shrimp, rainbow trout, and fathead minnow. They are produced as highly refined hydrocracked base stocks.

APPLICATIONS

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