

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

Typical Properties

| ISO Grade | 22 | 32 | 46 | 68 | 100 |
|--------------------------------------|-------------|-------------|-------------|-------------|------------|
| Color, ASTM D-1500 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Appearance | Water Clear | Water Clear | Water Clear | Water Clear | WaterClear |
| Viscosity, cSt | | | | | |
| At 40 C | 21.5 | 31.71 | 46.5 | 67.2 | 98.8 |
| At 100 C | 4.2 | 5.3 | 6.8 | 8.6 | 10.9 |
| Viscosity Index | 100 | 100 | 99 | 98 | 95 |
| Flash Point, (COC) Deg F | 395 | 400 | 415 | 425 | 450 |
| Pour Point, Deg F | 0 | 0 | +5 | +5 | +10 |
| Neut. No., ASTM D 974 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| Gravity, API @ 60 F | 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 |
| Dielectric Strength, ASTM D-877 | 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 LC50 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.