

PROCESS OIL N [LVI]

ISO Grades: 5 – 460

Product Description

Process Oil N are oils with good stability to meet requirements as a processing matrix or an extender oil. They are characterized by clear to tan appearance with low deposit properties, and low pour points throughout the viscosity grades. These materials consist of highly refined base oils produced from low sulfur naphthenic feedstocks. These oils can be utilized as plasticizers, carriers, diluents, and extenders in industrial material formulations and chemical processes.

Applications

- Utilized as plasticizers, carriers, diluents, and extenders in industrial material formulations and chemical processes.

Typical Properties

| Property | ISO 5 | ISO 10 | ISO 22 | ISO 46 | ISO 68 | ISO 100 | ISO 150 | ISO 220 | ISO 320 | ISO 460 |
|---------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Color, ASTM D-1500 | <0.5 | <1.0 | <1.5 | 2.0 | <2.0 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 |
| Appearance | Clear | Clear | Clear | Yellow | Yellow | Amber | Amber | Amber | Amber | Tan |
| Viscosity, cSt @ 40°C | 3.7 | 10 | 21 | 43 | 65 | 105 | 156 | 238 | 381 | 464 |
| Viscosity, cSt @ 100°C | 1.4 | 2.4 | 3.8 | 5.4 | 6.8 | 8.9 | 11.1 | 14.4 | 18.7 | 21.2 |
| Flash Point (COC), °F(°C) | 205(96) | 298(148) | 325(163) | 360(182) | 385(196) | 400(204) | 420(216) | 455(235) | 470(243) | 510(266) |
| Pour Point, °F(°C) | -70(-57) | -55(-48) | -35(-37) | -30(-34) | -25(-32) | -15(-26) | -5(-21) | 5(-15) | --- | --- |
| VGC, ASTM D-2501 | 0.87 | 0.87 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.90 |
| Gravity, API @ 60°F | 28.2 | 25.5 | 24.1 | 22.0 | 22.3 | 22.0 | 21.2 | 20.4 | 19.9 | 16.0 |

*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.