

SinoSyn® PAOs Polyalphaolefins(PAOs)

Product Description

SinoSyn® PAOs are the fully synthesized hydrogenated hydrocarbon base fluid produced from C10 linear alphaolefin feed stocks. It can be used as a base oil or VI-improvement for a wide range of automobile and industrial lubricant products, both mineral oil and synthetic based. They are PAO40/100 designated at KV100.

Features and Benefits

- ★ High viscosity index and excellent lubricity
- ★ High flash point and low volatility
- ★ Compatible with mineral oils and esters
- ★ Excellent oxidant resistance
- ★ Excellent shear stability and hydrolysis
- ★ Extend drain and improved fuel economy

Typical Properties

| Item | SinoSyn® PAO40 | SinoSyn® PAO100 | Test Methods |
|--|----------------|-----------------|--------------|
| Appearance | Bright & Clear | Bright & Clear | Visual |
| Density@15.6 °C, g/cm ³ | 0.845 | 0.853 | ASTM D1298 |
| Kinematic Viscosity, mm ² /s 100 °C 40 °C | 40.03 386.0 | 100.8 1258 | ASTM D445 |
| Viscosity Index | 154 | 170 | ASTM D2270 |
| Flash Point ,COC, °C | 295 | 300 | ASTM D92 |
| Pour Point, °C | -40 | -33 | ASTM D97 |
| ASTM Color | <0.5 | <0.5 | ASTM D1500 |
| Acid Number, mgKOH/g | 0.01 | 0.01 | ASTM D974 |
| Water Content, ppm | 30 | 30 | ASTM D6304 |
| Noack Volatility Loss, wt% | 0.7 | 0.6 | ASTM D5800 |

Application

- ★ Gear Oils (Automotive & Industrial)
- ★ Transmission Fluids
- ★ Engine Crankcase
- ★ Greases

Additional Information

Technical White Mineral Oil, 21 CFR 178.3620(b)

National Sanitation Foundation(NSF) White book, category code H1,HX-1,Lubricants with incidental food contact.

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[Http://www.nacosynthetics.com](http://www.nacosynthetics.com)

Typical properties: these are not to be construed as specifications.
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