

## Polyalphaolefin 100 Base Stock

### Product Description

**Polyalphaolefin 100 Base Stock** can be used as a base stock for a wide range of engine and industrial lubricating oil products, both mineral oil and synthetic based.

### Features and Benefits

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

### Typical Properties

Item	PAO 100	Test Methods
Appearance	Bright & Clear	Visual
Density@15.6 °C, g/cm <sup>3</sup>	0.853	ASTM D1298
Kinematic Viscosity, mm <sup>2</sup> /s 100 °C 40 °C -20°C	100.8 1258 219,246	ASTM D445
Viscosity Index	170	ASTM D2270
Flash Point COC, °C	>300	ASTM D92
Pour Point, °C	-33	ASTM D97
ASTM Color	< 0.5	ASTM D1500
Acid Number, mgKOH/g	0.01	ASTM D974
Water Content, ppm	< 100	ASTM D6304
Volatility Loss(205 °C,6.5h), %	2.0	ASTM D972
Noack Volatility Loss, %	0.6	ASTM D5800

### Application:

**PAO 100** is engineered for use in a wide variety of applications where the physical and performance properties of fully synthesized PAOs can be beneficial including:

- ★ Gear Oils (Automotive & Industrial)
- ★ Compressor Oils
- ★ High VI Hydraulic Fluids
- ★ Greases
- ★ Engine Oils and Transmission Fluids
- ★ Other Industrial Oils

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