



Polyalphaolefin (PAO) Base Oil for High Performance Lubricant PAO 4, PAO 6, PAO 8

Description

Polyalphaolefin (PAO) oil is a synthetic lubricant derived from the polymerization of alpha-olefins. It has excellent thermal stability, oxidation resistance, and low pour point. PAO oil is widely used in many applications where high-performance lubrication is required.

Features

- High thermal stability
- Excellent oxidation resistance
- Low pour point
- Wide operating temperature range
- Superior viscosity index
- Low volatility
- Compatibility with elastomers and seals

Applications

- Automotive lubricants (engine oils, transmission fluids, gear oils)
- Industrial lubricants (hydraulic fluids, compressor oils, gear oils)
- Aerospace lubricants
- Refrigeration oils

Typical Properties:

Item	Test standard	Typical values		
		PAO 4	PAO 6	PAO 8
Viscosity @100°C, cST	ASTM D445	3.9	5.9	7.8
@ 40°C, cST		16.9	30.5	46
@ 40°C, cST		2420	7500	18000
Viscosity Index	ASTM D2270	123	135	138
Noack Volatility, wt%	ASTM D5800	11	6	2.8
Density @ 20°C, g/cm ³	ASTM D1298	0.82	0.827	0.833
Pour point, °C	ASTM D97	-73	-68	-57
Flash point (COC), °C	ASTM D92	219	238	258
Ignition point (COC), °C	ASTM D92	249	271	290
Appearance	ASTM D4176	Bright & Clear	Bright & Clear	Bright & Clear
Colour	ASTM D1500	< 0.5	< 0.5	< 0.5