

POLY α OLEFIN PAO

● Introduction

Poly α Olefin (PAO) has excellent high and low temperature performance, high viscosity index, better fluidity at low temperature and higher oil film thickness at high temperature. It is an ideal component of lubricating oil under extreme conditions and has a wide range of applications in the lubrication industry.

● Features

- High flash point.
- Excellent hydrolysis stability.
- Improves the solubility of additives.
- Low pour point.
- It has excellent oxidation resistance.

● Specifications

Item	Typical Value						
	PAO 4	PAO 6	PAO 8	PAO 10	PAO 20	PAO 40	PAO 100
Appearance	Clear Transparent Liquid						
Color	0.5	0.5	0.5	0.5	0.5	1	1
Flash Point (COC), °C	233	239	240	242	268	270	270
Kinematic Viscosity (40°C), mm ² /s	18.1	31.7	47.96	64.85	168	407.19	1231.48
Kinematic Viscosity (100°C), mm ² /s	4.048	5.951	7.952	10.01	20	40.21	101.32
Acid Number, mgKOH/g	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05
Density (20°C), kg/m ³	816.4	824.5	829.9	834.6	843	843.7	845.9
Viscosity Index	124	135	136	139	138	149	172
Pour Point, °C	-57	-58	-57	-59	-45	-36	-24
Water, mg/kg	36	36	30	30	30	50	50

● Package, Handle & Storage

- Packed in 200L metal drum, IBC-Tank or made to order.
- Long term storage temperature should not exceed 45°C.
- Handle & blending temperature should not exceed 65°C.
- Not dangerous chemical, store in dry & clean warehouse.