

PureSyn™ 6

Polyalphaolefin (PAO) Fluid

Product Description

ExxonMobil PureSyn™ PAO (polyalphaolefin) and Ester are unique classes of premium fluids whose features set them apart from other fluids such as silicones, mineral oils, petrolatum and polybutene. PureSyn™ PAO and Ester are bright and clear, high purity, fluids that can be characterized as non-comedogenic and non-irritating. PureSyn™ PAO are exceptionally stable in high and low pH systems.

General

Availability ¹	<ul style="list-style-type: none"> ▪ Africa & Middle East ▪ Asia Pacific 	<ul style="list-style-type: none"> ▪ Europe ▪ Latin America 	<ul style="list-style-type: none"> ▪ North America
Revision Date	▪ 07/01/2019		

Basics	Typical Value (English)	Typical Value (SI)	Test Based On
Specific Gravity (60.0°F (15.6°C))	0.827	0.827	ASTM D4052
Color	< 0.5	< 0.5	ASTM D1500
Kinematic Viscosity			ASTM D445
212°F (100°C)	5.7 cSt	5.7 mm ² /s	
104°F (40°C)	30.0 cSt	30.0 mm ² /s	
Flash Point, COC	469 °F	243 °C	ASTM D92
Refractive Index (77°F (25°C))	1.4565	1.4565	ASTM D1218
Total Acid Number	< 0.01 mg KOH/g	< 0.01 mg KOH/g	ASTM D974 (mod)

Flow	Typical Value (English)	Typical Value (SI)	Test Based On
Brookfield Viscosity (77°F (25°C))	47 cP	47 cP	ASTM D2983
Surface Tension (75°F (24°C))	29.7 dyne/cm	29.7 dyne/cm	ASTM D1331A

Solubility	Typical Value (English)	Typical Value (SI)	Test Based On
Solubility Parameter ²	8.14 $\sqrt{(\text{cal}/\text{cm}^3)}$	8.14 $\sqrt{(\text{cal}/\text{cm}^3)}$	Calculated

Legal Statement

For detailed Product Stewardship information, please contact Customer Service.

Notes

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

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

² Calculated Solubility Parameter

For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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