

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

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 <sup>2</sup> /s	
104°F (40°C)	30.0 cSt	30.0 mm <sup>2</sup> /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 <sup>2</sup>	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.

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

<sup>2</sup> Calculated Solubility Parameter

For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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