

# PureSyn™ 300

## Hydrogenated Poly C6-14 Olefins for personal care applications

### Product Description

ExxonMobil PureSyn™ PAO (polyalphaolefin) are unique classes of premium fluids whose features set them apart from other fluids such as silicones, mineral oils, petrolatum and polybutene. PureSyn™ PAO is a bright and clear, high purity fluid 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	▪ 08/15/2020		

Basics	Typical Value (English)	Typical Value (SI)	Test Based On
Specific Gravity (60.0°F (15.6°C))	0.849	0.849	ASTM D4052
Color	< 0.5	< 0.5	ASTM D1500/ D6045
Kinematic Viscosity			ASTM D445
212°F (100°C)	303 cSt	303 mm <sup>2</sup> /s	
104°F (40°C)	3358 cSt	3358 mm <sup>2</sup> /s	
Flash Point, COC	547 °F	286 °C	ASTM D92
Refractive Index (77°F (25°C))	1.4683	1.4683	ASTM D1218
Total Acid Number	< 0.10 mg KOH/g	< 0.10 mg KOH/g	ASTM D974

Flow	Typical Value (English)	Typical Value (SI)	Test Based On
Brookfield Viscosity (77°F (25°C))	752000 cP	752000 cP	ASTM D2983
Surface Tension (75°F (24°C))	34.4 dyne/cm	34.4 dyne/cm	ASTM D1331A

Solubility	Typical Value (English)	Typical Value (SI)	Test Based On
Solubility Parameter <sup>2</sup>	8.38 $\sqrt{(\text{cal}/\text{cm}^3)}$	8.38 $\sqrt{(\text{cal}/\text{cm}^3)}$	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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