PureSyn™ 4

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]	▪ Africa & Middle East ▪ Asia Pacific	▪ Europe ▪ Latin America	▪ 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))	0.820		0.820		ASTM D4052
Color	< 0.5		< 0.5		ASTM D1500
Kinematic Viscosity					ASTM D445
212°F (100°C)	4.1	cSt	4.1	mm^2/s	
104°F (40°C)	18.0	cSt	18.0	mm^2/s	
Flash Point, COC	430	°F	221	°C	ASTM D92
Refractive Index (77°F (25°C))	1.4535		1.4535		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))	26	cP	26	cP	ASTM D2983
Surface Tension (75°F (24°C))	29.1	dyne/cm	29.1	dyne/cm	ASTM D1331A

Solubility	Typical Value (English)		Typical Value (SI)		Test Based On
Solubility Parameter [2]	8.09	√(cal/cm³)	8.09	√(cal/cm³)	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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