

SpectraSyn™ 8

Polyalphaolefin (PAO) Fluid

Product Description

SpectraSyn™ Low Viscosity Polyalphaolefin (PAO) basestocks feature low temperature properties, low volatility, and improved thermal stability. SpectraSyn™ Low Viscosity PAO products have high viscosity indices which translate to improved flow at low temperatures and increased film thickness at high temperatures. SpectraSyn™ Low Viscosity PAO products are the primary basestocks for synthetic lubricants used in passenger car engines, heavy-duty diesel engines, transmissions, gear boxes and a variety of industrial applications.

Properties	Minimum	Maximum	Unit	Test Method
Specific Gravity ¹ (15.6°C)	Report	--		ASTM D4052
Appearance ¹ (-18°C)	Bright & Clear	--		Visual
Color ¹	--	0.5		ASTM D1500
Kinematic Viscosity ¹				ASTM D445
100°C	7.70	8.20	cSt	
40°C	46.0	50.0	cSt	
-40°C	--	25000	cSt	
Pour Point ¹	--	-45	°C	ASTM D5950/D97
Flash Point, COC ¹	232	--	°C	ASTM D92
Noack Volatility ¹	--	5	wt%	ASTM D5800/DIN 51581
Bromine Number ¹	--	1.0	g Br/100 g	AMS 1377
Water ¹	--	50	ppm	ASTM D6304
Total Acid Number ¹	--	0.05	mg KOH/g	ASTM D974 (mod)

Notes

¹ Test reported on Certificate of Analysis

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

©2025 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Product Solutions" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Product Solutions Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

exxonmobilchemical.com