

SpectraSyn Plus™ 5

Advanced Polyalphaolefin (PAO) Fluid

Product Description

SpectraSyn Plus™ Advanced Polyalphaolefin (PAO) provide an optimal combination of volatility and low-temperature fluidity. SpectraSyn Plus™ Advanced PAO products viscosity indices translate into improved flow at low temperatures and increased film thickness at high temperatures. SpectraSyn Plus™ Advanced PAO provide superior lubrication as the primary basestocks for synthetic lubricants used in passenger car engines, heavy-duty diesel engines, transmissions, and a variety of industrial applications. SpectraSyn Plus™ Advanced PAO can be used for upgrading mineral oil or Group III basestocks for improved low temperature and volatility performance.

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 | <ul style="list-style-type: none"> ▪ 07/13/2022 | | |

| Basics | Typical Value (English) | Typical Value (SI) | Test Based On |
|------------------------------------|-------------------------|-------------------------|----------------------|
| Specific Gravity (60.1°F (15.6°C)) | 0.825 | 0.825 | ASTM D4052 |
| Appearance (0°F (-18°C)) | Bright & Clear | Bright & Clear | Visual |
| Color | < 0.5 | < 0.5 | ASTM D1500 |
| Kinematic Viscosity | | | ASTM D445 |
| 212°F (100°C) | 5.2 cSt | 5.2 mm ² /s | |
| 104°F (40°C) | 25.4 cSt | 25.4 mm ² /s | |
| Viscosity Index | 144 | 144 | ASTM D2270 |
| Pour Point | -60 °F | -51 °C | ASTM D5950/D97 |
| Flash Point, COC | 464 °F | 240 °C | ASTM D92 |
| Noack Volatility | 5.5 wt% | 5.5 wt% | ASTM D5800/DIN 51581 |
| Water | < 50 ppm | < 50 ppm | ASTM D6304 |
| Total Acid Number | < 0.05 mg KOH/g | < 0.05 mg KOH/g | ASTM D974 (mod) |

| Flow | Typical Value (English) | Typical Value (SI) | Test Based On |
|--|-------------------------|--------------------|---------------|
| Apparent Viscosity by Mini-Rotary Viscometer ² | | | ASTM D4684 |
| -40°F (-40°C) | < 5000 cP | < 5000 cP | |
| Cold Cranking Simulator ² (-31°F (-35°C)) | 2400 cP | 2400 cP | ASTM D5293 |

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 Single sample or two sample average determinations

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

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