

PureSyn™ 65

Hydrogenated Poly C6-14 Olefins for personal care applications

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 | <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 | ▪ 08/15/2020 | | |

| Basics | Typical Value (English) | Typical Value (SI) | Test Based On |
|---|-------------------------|------------------------|----------------------|
| Specific Gravity ² (60.0°F (15.6°C)) | 0.846 | 0.846 | ASTM D4052 |
| Color ² | < 0.5 | < 0.5 | ASTM D1500/ D6045 |
| Kinematic Viscosity ² | | | ASTM D445 |
| 212°F (100°C) | 65 cSt | 65 mm ² /s | |
| 104°F (40°C) | 614 cSt | 614 mm ² /s | |
| Flash Point, COC ² | 531 °F | 277 °C | ASTM D92 |
| Refractive Index ² (77°F (25°C)) | 1.4659 | 1.4659 | ASTM D1218 |
| Total Acid Number ² | < 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)) | 1270 cP | 1270 cP | ASTM D2983 |
| Surface Tension (75°F (24°C)) | 26.1 dyne/cm | 26.1 dyne/cm | ASTM D1331A |

| Solubility | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------------|--|--|---------------|
| Solubility Parameter ³ | 8.32 $\sqrt{(\text{cal}/\text{cm}^3)}$ | 8.32 $\sqrt{(\text{cal}/\text{cm}^3)}$ | Calculated |

Legal Statement

For detailed Product Stewardship information, please contact Customer Service.

Notes

Typical properties: these are not to be construed as specifications.

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 determination

³ Calculated Solubility Parameter

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

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