ExxonMobil

# AP/E CORE

ExxonMobil Basestocks , Finland

**Product Description**

Core base stocks by ExxonMobil are designed to offer broad blending coverage with performance capabilities in applications ranging from engine oils to industrial lubricants.

AP/E Core™ base stocks constitute a slate as defined within API/ATIEL Guidelines for formulation and qualification of automotive lubricants. With base oil interchange and viscosity grade read-across capabilities, ExxonMobil's AP/E Core base stock slate offers broad coverage, enabling supply chain flexibility and simplified qualification testing requirements. ExxonMobil follows rigorous processes to ensure reliable delivery of consistent quality base stocks so customers can be confident in their base stock supply.

**Specifications**

| Property | Standard Method(a) | Limits | CORE 100 | CORE 150 | CORE 600 | CORE 2500 |
|---|---|---|---|---|---|---|
| ASTM Color | ASTM D1500 | Max | 1 | 1.5 | 4 | 6 |
| Appearance | Visual | Min-Max | Clear and Bright | Clear and Bright | Clear and Bright | Clear and Bright |
| Cold-Cranking Simulator, Apparent Viscosity @ -15 C, mPa.s | ASTM D5293 | Max | | 1,250 | | |
| Cold-Cranking Simulator, Apparent Viscosity @ -25 C, mPa.s | ASTM D5293 | Max | 1,650 | | | |
| Flash Point, Cleveland Open Cup, °C | ASTM D92 | Min | 194 | 210 | 246 | 294 |
| Kinematic Viscosity @ 100 C, mm2/s | ASTM D445 | Min-Max | | | | 30.6-32.7 |
| Kinematic Viscosity @ 40 C, mm2/s | ASTM D445 | Min-Max | 18.5-21.0 | 29.0-32.0 | 109.0-116.0 | |
| Noack Volatility, Procedure B, mass% | ASTM D5800-PROB | Max | 29.3 | 15.8 | | |
| Pour Point, °C | ASTM D97 | Max | -18 | -12 | -6 | -6 |
| Viscosity Index | ASTM D2270 | Min | 95 | 100 | 95 | 95 |

Note 1: Products are certified on release to meet the values specified. Actual values may deviate within the established reproducibility of the test method specified.

Note 2: For purpose of determining conformance with specification, observed or calculated values shall be rounded off to the nearest unit in the last significant digit used in expressing the limiting value in accordance to the ASTM E 29 method

(a) In lieu of standard test method, alternate test methods may be used for the certification of a product property.

**Health and Safety**

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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