ExxonMobil

AP/E CORE

ExxonMobil Basestocks , United States

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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