



AP/E CORE

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.

Sales Specifications

Property	Limits	Standard Method (a)	CORE 100	CORE 150	CORE 600	CORE 2500
Appearance		Visual	BandC	BandC	BandC	BandC
ASTM Colour	Max	ASTM D 1500	1.0	1.5	4.0	6.0
CCS Viscosity -25°C mPa•sec	Max	ASTM D 5293	1650			
CCS Viscosity -15°C mPa•sec	Max	ASTM D5293		1250		
Flash Point, COC Deg C	Min	ASTM D 92	194	210	246	294
Kinematic Viscosity@ 40°C mm ² /sec	Min-Max	ASTM D 445	18.5-21.0	29-32	109-116	
Kinematic Viscosity@ 100°C mm ² /sec	Min-Max	ASTM D 445				30.6-32.7
NOACK Volatility, wt%	Max	ASTM D 5800 Method B	29.3	15.8		
Pour Point, Deg C	Max	ASTM D 97	-18	-12	-6	-6
Viscosity Index	Min	ASTM D 2270	95	100	95	95

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

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

Health and Safety

Detailed health and safety information for this product is provided in the material safety data sheet (MSDS), available upon request through your local sales representative or from www.ExxonMobil.com.

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