

AP/E CORE™ Group I base stocks



AP/E CORE™ Group I base stocks constitute a slate as defined within API/ATIEL guidelines for formulation and qualification of automotive lubricants. Offering performance capabilities in applications ranging from engine oils to industrial lubricants, these outstanding base stocks are backed by 135 years of ExxonMobil leadership in base stock production. Rigorous processes ensure reliable, secure delivery of consistent, quality base stocks.



(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 with the ASTM E29 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.

All products may not be available in all countries. Every care has been taken in the preparation of this information. Typical values may vary within modest ranges, and specifications may be subject to change. To the extent permitted by applicable law, all warranties and/or representations, express or implied, as to the accuracy of the information are disclaimed, and no liability is accepted for the accuracy or completeness of the same.

ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names which include Esso, Mobil, Exxon, or ExxonMobil. For convenience and simplicity, the term ExxonMobil may be used to represent all of these entities, and the products and services provided by those entities. Nothing in this brochure is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with local ExxonMobil-affiliated entities.

05-2017

Key benefits

Base oil interchange and viscosity-grade read-across provide:



Broad blending coverage



Supply chain flexibility



Simplified qualification testing requirements

Sales specifications and availability

Sales specifications			AP/E CORE™ 100	AP/E CORE™ 150	AP/E CORE™ 600	AP/E CORE™ 2500
Property	Limits	Standard method (a)				
Appearance		Visual	Clear and bright	Clear and bright	Clear and bright	Clear and bright
ASTM colour	Max	ASTM D1500	1.0	1.5	4.0	6.0
CCS viscosity -25°C mPa·sec	Max	ASTM D5293	1650			
CCS viscosity -15°C mPa·sec	Max	ASTM D5293		1250		
Flash point, COC Deg C	Min	ASTM D92	194	210	246	294
Kinematic viscosity @ 40°C mm ² /sec	Min-Max	ASTM D445	18.5-21.0	29.0-32.0	109.0-116.0	
Kinematic viscosity @ 100°C mm ² /sec	Min-Max	ASTM D445				30.6-32.7
NOACK Volatility, wt%	Max	ASTM D5800 Method B	29.3	15.8		
Pour point, Deg C	Max	ASTM D97	-18	-12	-6	-6
Viscosity index	Min	ASTM D2270	95	100	95	95
Availability			AP/E CORE™ 100	AP/E CORE™ 150	AP/E CORE™ 600	AP/E CORE™ 2500
Europe, Africa, Middle East			■	■	■	■
Asia Pacific			■	■	■	■

exxonmobil.com/basestocks

Energy lives here™