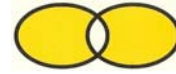


UniSource Energy, Inc.
Specialty Petroleum Product
Typical Properties



Supplier Name	UNISOURCE
Product Name	ASPHALT 1000 ES

Test Description

Specific gravity (H ₂ O = 1)	0.99-1.03
Viscosity, cSt @ 275°F	> 150
Boiling Range, °F	> 750
Vapor Pressure, mmHg @ 15 °C	<0.0001
Flash point, °F	> 400
Vapor Density (Air = 1)	>1
Solubility in Water	Nil
% Volatile by Volume	Nil
Melting Point, °F	98 - 130
Evaporation Rate (Ethyl Ether = 1)	1000 x slower
Appearance	Black solid or viscous liquid with heavy hydrocarbon odor
Chemical Abstract #	8052-42-4 Nov-05

*The values shown here are representative of current production.
Some are controlled by manufacturing specifications, while others are not.
All may vary within modest ranges.*