

PRODUCT DATA SHEET

Royal Super Select Monograde **Monograde Gasoline Engine Oils**



PRODUCT DESCRIPTION:

Royal Super Select Monograde motor oils are high performance lubricants that meet or exceed all car manufacturers' requirements for current passenger car engines. Premium quality base oils blended with high performance additives provide outstanding protection against high temperature oxidation, engine wear, deposit formation, foaming, rust and corrosion.

Royal Super Select Monograde motor oils are specially formulated using the same additive that is found in our premium multi-weight products. These high-performance lubricants may be used in current passenger car and light duty trucks. Recommended where SF/CC, SE/CC, SF, SE, SH/CD or SJ oils are required.

Royal Super Select Monograde may be used in passenger car and light duty diesel engines. Recommend checking owner's manual for acceptable product and viscosity.

KEY FEATURES:

- Improved oxidation stability
- Additive package provides increased protection over expected life of oil
- Uses high viscosity index base oil

CUSTOMER BENEFITS:

- Meets the needs of today's high-performance diesel and gasoline engines
- Keeps engines cleaner

APPROVALS:

API SN
FORD ESE-M2C153-E
GM 6094M
GSA A-A-52039
MIL-L-46152F

PACKAGING:

Totes, Drums, Pails, Gallons, Quarts

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Typical Properties

Royal Super Select Monograde						
Product Number	181A	182A	183D	184	185	Test Method
SAE Grade	10	20	30	40	50	-
API	30.56	30	28.36	27.87	27.88	-
Specific Gravity	0.87311	0.87615	0.88514	0.88786	0.88781	ASTM 4052
Lbs/Gal	7.271	7.297	7.371	7.394	7.394	
Density	0.87262	0.87566	0.88464	0.88736	0.88732	
Flash Point °C	199	206	231	241	246	ASTM D92
Pour Point °C	-24	-24	-18	-15	-18	ASTM D97
Color	<4.0	<4.0	<4.5	<4.5	<4.5	ASTM D1500
Viscosity@100°C cSt	6.5	7.5	11.25	14.2	18.6	ASTM D445
Viscosity@40°C cSt	39.68	47.01	95.53	146.6	206	ASTM D445
Viscosity Index (VI)	110	110	105	104	103	ASTM D2270

Typical Properties are typical of those obtained with normal production tolerance and do not constitute essentially a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

Health and Safety:

When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, www.royalmfg.com, or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.