



# Product Data Sheet



## Super Select Multigrade

### *Multigrade Passenger Car Engine Oils*

**Super Select Multigrade** oils are formulated using highly refined petroleum base oils and the finest additives to meet the redesign as well as the demanding performance of today's engine. It has been developed to provide maximum protection under all driving conditions and protect against the rigors of stop-and-go driving.

**Super Select Multigrade** oils meet and/or exceed the stringent requirements of the API "SN" and ILSAC Category GF-5, Resource Conserving Category (5W20, 5W30 and 10W30). These oils meet GM 6094M, Ford ESE-M2C153-E, GSA A-A52039 and GSA A-A52306A. It is also recommended for older engines, which the normal requirement would be an API SL, SH, SG, SF, SE service classification.

These advanced oils have significantly improved oxidation stability, added detergency and a unique additive package to provide maximum protection over the life of the oil. Additionally, these multigrade oils protect today's small six-cylinder and four-cylinder engines, turbocharged engines as well as older, larger engines.

#### **Product Features:**

- Low friction helps improve gas mileage and longer engine life
- Protects against rust and corrosion
- Excellent anti-wear properties
- Cleaner engines and positive crankcase ventilating systems

#### **Customer Benefits:**

- Extra Protection for the increased temperatures of the newer engines
- Protects against startup wear
- Reduced build up of sludge and varnish deposits

#### **Applications:**

- API SN/SM/SL/SJ
- ILSAC GF-5, GF-4, GF-3 (5W20, 5W30 and 10W30)
- Meets requirements of API Services SH/CD





# Product Data Sheet



## Typical Properties

### Super Select Multigrade

Product Number	190	186	187	188	189	Test Method
SAE Grade	5W20	5W30	10W30	10W40	20W50	-
API	32.42	32.42	31.30	31.44	28.97	-
Specific Gravity	0.8632	0.8632	0.8691	0.8684	0.8817	-
Lbs/Gal	7.189	7.189	7.239	7.232	7.343	-
Density	0.8627	0.8627	0.8686	0.8679	0.8812	-
Flash Point °C	201	200	195	199	224	ASTM D92
Pour Point °C	-24	-24	-27	-24	-24	ASTM D97
Color	<4.0	<4.0	<4.0	<4.0	<4.0	ASTM D1500
Viscosity						
@100°C cSt	7.78	10.35	10.50	14.30	17.44	ASTM D445
@40°C cSt	44.33	603.36	65	94.97	156	
Viscosity Index	146	164	142	155	122	-

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information contained herein is subject to change without notice.

#### Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Safety Data Sheet (SDS) found on our website. [www.royalmfg.com](http://www.royalmfg.com) or call (918)-584-2671.

#### Packaging options:



Quarts



1 Gal Jugs



5 Gal Pails



55 Gal Drums



275/330 Gal Totes



>2000 Gal Bulk

