

Samic Excel Supreme SP series

Multigrade Gasoline and Diesel – Fully Synthetic Engine Oil



Product Data Sheet

Product Description

Samic Excel Supreme SP series are advanced technology engine oils blended in high performance fully synthetic (PAO – polyalphaolefin) basestocks fortified with precisely balanced additive system, specifically to help deliver high level of performance and outstanding protection during long service intervals. It is suitable for the latest downsized engines equipped with stop & start technologies and hybrid engines requiring an API SP specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines. It provides maximum protection in the latest engine designs operating under severe conditions and protects against the potential for pre-ignition (LSPI) in these engines, including high-performance turbo-charged gasoline direct injection (TGDI) and non TGDI designs, supercharged gasoline and certain diesel multi-valve fuel injected systems.

Features & Benefits

- Outstanding protection & optimization of 3-way catalytic converters and due to its low Phosphorus content prevents them from poisoning, hence reduces NOx, HC and CO considerably.
- Excellent fuel economy & easy cold starts due to extreme fluidity at low temperatures.
- High resistant oil film even at high engine operating temperatures.
- Advanced additive technology reduces sludge formation which improves engine cleanliness.
- Excellent oxidation & thermal stability helps in extending oil drain intervals.
- Outstanding engine protection helps maintain longer engine life and greater compatibility with engine seals.

Specifications

Samic Excel Supreme meets or exceeds following International and Builder specifications:

- API SP, SN Plus, SN, SM, SL, SJ
- API SP Resource Conserving, SN Plus Resource Conserving, SN Resource Conserving
- 0W16: ILSAC GF-6B
- 0W20, 0W30: ILSAC GF-6A
- HONDA, TOYOTA, MITSUBISHI
- General Motors dexos1 Gen2
- 0W20: Ford WSS-M2C947-A/B1, WSS-M2C962-A1
- 0W30: Ford WSS-M2C946-A, WSS-M2C929-A, WSS-M2C953-A/B1, WSS-M2C963-A1

Application

Samic Excel Supreme SP series is suitable for use in following:

- Passenger cars, SUVs, light trucks and vans.
 - Suitable for downsized Gasoline engines equipped with Stop & Start technologies and hybrid.
 - Suitable for all types of modern vehicles, including high-performance turbo-charged, supercharged gasoline multi-valve fuel injected engines.
 - Excluded service includes - commercial and racing applications, frequent towing or hauling, extremely dusty or dirty conditions or excessive idling.
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Typical Characteristics

Samic Excel Supreme	Test Method	Units	0W-16	0W-20	0W-30
Density @ 15 °C	ASTM D 4052	gm/cc	0.840	0.840	0.845
Viscosity @ 100 °C	ASTM D 445	cSt	7.45	8.6	10.4
Viscosity @ 40 °C	ASTM D 445	cSt	38.25	44.8	58.0
Viscosity Index	ASTM D 2270	-	165	173	171
Pour Point	ASTM D 97	°C	-42	-42	-42
Flash Point (COC)	ASTM D 92	°C	220	220	225
Total Base Number	ASTM D 2896	mg KOH/g	7.2	7.2	7.2
Phosphorous	ASTM D 4951	% wt	0.077	0.077	0.077
CCS Viscosity	ASTM D 5293	cP	5060 @ -35 °C	5560 @ -35 °C	5600 @ -35 °C

The above figures are typical of blends with normal production tolerance and do not constitute a specification.