

Product Data Sheet



Premium Lubricant Products, Optimal Lubricant Performance, Professional Staff & Service

HB-1100 DURAFILM SYNTHETIC BLEND MULTIGRADE PCMO

API SP SAE GRADES: 5W-20, 5W-30, 10W-30, 10W-40, 20W-50, 5W-50

DESCRIPTION:

Durafilm Synthetic Blend Multigrade Passenger Car Motor Oils (PCMO) have been formulated to provide engine protection under severe operating conditions. They are blended from highly refined hydroprocessed mineral oils and synthetic polymeric base stocks, compounded to provide outstanding protection against wear and corrosion, prevent oxidative thickening and inhibit promotion of engine acids, sludge and varnish deposits. These multi-grades can be used over a wide temperature range to provide easier cold weather starting and assist in help minimizing engine friction during start-up. They also provide added protection at higher-than-normal engine operating temperatures.

APPLICATIONS:

Recommended for all major automotive gasoline engines, including those equipped with superchargers, used in passenger cars, light trucks, power boats, motorcycles and other mobile and stationary equipment. These oils also are used in a variety of commercial, industrial, and special mechanical system applications. All grades meet API Service Categories SP, SN, SM, SL, SJ/CF. SAE 5W-20, 5W-30, and 10W-30 are rated ILSAC: GF-6A "Energy Conserving". SAE 5W-50 provides operating conditions over an extreme temperature range.

H & B Industries, Inc.

9758 Abernathy
Dallas, TX. 75220
(214) 350-1984
info@hbind.com
Website www.hbind.com

H & B Industries, Inc

301 Crickett Lane
Temple, TX. 76501
(254) 985-2525
hbsupply@hbind.com
Website www.hbind.com

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SAE GRADE

Automotive

Viscosity, cSt

Typical Properties

| | <u>5W-20</u> | <u>5W-30</u> | <u>10W-30</u> | <u>10W-40</u> | <u>20W-50</u> | <u>5W-50</u> |
|-------------------------------|--------------|--------------|---------------|---------------|---------------|--------------|
| At 40 C | 49.2 | 61.6 | 65.1 | 92.5 | 167.1 | 94.0 |
| At 100 C | 8.7 | 10.4 | 10.5 | 13.8 | 18.6 | 18.9 |
| Viscosity Index | 154 | 158 | 151 | 152 | 123 | 221 |
| Flash Point, (COC) °F | +405 | +410 | +420 | +420 | +450 | +420 |
| °C | 207 | +210 | +216 | +216 | +232 | +216 |
| Pour Point, °F | -40 | -40 | -35 | -34 | -25 | -40 |
| °C | -37 | -37 | -34 | -33 | -29 | -37 |
| Neut. No., TBN-E, ASTM D-2896 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| Gravity, API @ 60 F | 33.5 | 33.1 | 31.0 | 30.5 | 29.1 | 31.0 |
| Sulfated Ash, %wt. | <1.0 | <1.0 | < 1.0 | < 1.0 | < 1.0 | <1.0 |



Typical Characteristics are those obtained with normal tolerance of production and no constitute a specification.
Variations that do not affect the performance of the product during the normal manufacturing process.

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