# PROCESS HYBRID FE 0W-16

Technical data sheet

**100% Synthetic oil.**

The **IGOL PROCESS HYBRID FE** is specially developed to meet the specific needs of hybrid vehicle engines requiring an **ultra-low viscosity** lubricant.
This oil is particularly recommended for **HYBRID / GASOLINE** vehicles and in particular those of the following brands : **TOYOTA, HONDA, SUZUKI** etc.

## PERFORMANCES

### Classification API

**API SN-RC** ( RC = Resource Conserving ) **:**
Enhanced API SN with improved fuel economy, turbocharger protection, emission control system compatibility and protection for engines running on fuels containing ethanol up to E85.

**API SP :**
Latest generation of API (American Petroleum Institute) standards for oils to meet the needs of new gasoline engine technologies: low-speed pre-ignition and deposit formation.

## ADVANTAGES

With an exceptionally low viscosity : Grade SAE 0W-16, the **PROCESS HYBRID FE** offers to the recent engines all the properties necessary for their good functioning :

- Significant improvement in fuel economy
- Reduction of CO2 emissions
- Increased resistance to LSPI (low speed pre-ignition) problems
- Good level of detergency providing protection against high temperature deposits on the pistons.
- Longer engine life due to its excellent cold performance.
- Shear stability to maintain optimum lubrication at high temperatures.

In addition, this lubricant can be used with engines that accept recent **biofuel** or **ethanol-based fuels.**




IGOL France - 614, rue de Cagny - CS 19403 - 80094 Amiens CEDEX 3 - FRANCE - T. +33 (0)3 22 47 79 47 - F. +33 (0)3 22 46 79 61 - www.igol.com

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## PHYSICO-CHEMICAL PROPERTIES

| Characteristics | Standards | Unit | Values |
|---|---|---|---|
| Specific gravity at 15°C | ASTM D4052 | g/cm$^3$ | 0.843 |
| Cinematic viscosity at 40°C | ASTM D7042 | mm²/s | 38.13 |
| Cinematic viscosity at 100°C | ASTM D7042 | mm²/s | 7.3 |
| Viscosity Index | | | 161 |
| HTHS | CEC-L-36-A-97 | mPa.s | 2.34 |
| TBN | ASTM D2896 | mgKOH/g | 8.66 |
| Pour point | ASTM D97 | °C | - 45 |
| Flash point | ASTM D92 | °C | 230 |

*Characteristics are given for information only and correspond with our manufacturing standards. IGOL reserves the right to modify them to provide its customers with the benefits of technical progress. Before using this product read the instructions for use and the environmental impacts mentioned in the technical and safety data sheets. The information given above is based on the current level of knowledge relative to the product concerned. The product user should take all useful precautions relative to its use. IGOL can in no circumstances be held responsible for damage resulting from incorrect use.*

*Documentary reference* : I-IGOL015-2004
*Date of issue* : 15/04/2020

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