

*Viscosity Index Improver in Bale Form***Typical Properties**

Appearance	White Block of Rubber
Specific Gravity	0.870
Vis Treat In ISO32 cSt@100°C	13
Shear Stability Index(PSSI)ASTM 6022,%wt	45
Std Packaging (NW / GW, Kg)	191.0 / 174.0

**Product Description**

**FUNCTIONAL V-101** is a viscosity index (V.I.) improver polymer in concentrated bale form. It is dissolved in oil to prepare an economical additive for multi-grade engine oils or an aftermarket "oil treatment" additive. It may also be used as an inexpensive thickener for oil, to avoid blending with expensive oils like bright stocks. Plants not having grinders should use **FUNCTIONAL V-114** "crumb" solid V.I. improver.

**COMPOSITION:**

**FUNCTIONAL V-101** is an olefin copolymer derived from ethylene and propylene, which has been used as a V.I. improver by major oil companies. Its physical form is 55 lb (bale dimensions are approximately 27 "x 19" x 5") polyethylene-wrapped "bales", which need to be ground before dissolving in oil.

**HANDLING:**

**FUNCTIONAL V-101** should be stored below about 140°F (60°C), as higher temperatures may cause the polyethylene wrap to stick. It is not necessary to remove the wrap before grinding if the polymer dissolves at 80°C (176°F) or at higher temperature. It is a nonhazardous material; see the current Material Safety Data Sheet. Dissolving is best accomplished by grinding into oil at a temperature of 180-230°F (85-110°C). (Higher temperatures will not affect **FUNCTIONAL V-101**, but may darken the diluent oil.)

<b>SAE Grade (Basestock ISO Grade)</b>	<b>Suggested Treat Rates, %wt</b>
5W-30 (22)	0.60
10W-30 (32)	0.37
10W-40 (32)	0.70

Print date: 04-02-25

**Disclaimer:** Information provided by this website and product page including specifications, applications and formulations are based on tests and data supplied by Smart Oil companies, manufacturers or any of our collaborated companies or suppliers, which are believed to be correct and reliable at the time of writing and data update. However, Smart Oil companies, manufacturers or any of our collaborated companies or suppliers make no warranty or responsibility, express or implied, of any kind regarding products, performance, formulations or applications, as operation conditions and application environments are beyond our control, or products will be modified by action of manufacturers or due to change in market environments. Users are herewith expressly requested to conduct test to determine the suitability of our products or product information before use. Furthermore, we regret that we cannot be responsible for informing customers any changes in specifications, formulations, or other technical contents on this website and product page. Also, We hereby state that all product trademarks other than Smart Oil, including trademarks from our , suppliers are the trademarks belong to the respective companies, or from their sources.