

Tackifier for High Temperature Lubricants

Typical Properties

Specific Gravity	0.830
Density,lbs/gal	6.9
Flash Point,°C(°F)	210 (410)
Kinematic Viscosity@100°C,cSt	4000 - 6000
Color(ASTM D1500)	Colorless (< 1.0)
Std Packaging (NW / GW, Kg)	183.0 / 166.0

Product Description

FUNCTIONAL V-378 is an additive that confers a tack or stringiness to a lubricant. It provides stringiness and water resistance to thermally stable lubricants and greases based on PAO and Group III base oils. Lubricants made with Group III or PAO oils and **FUNCTIONAL V-378** are more thermally stable and oxidatively stable than those made with the same base oils and conventional tackifiers. We recommend **FUNCTIONAL V-178** or **FUNCTIONAL V-188** in applications where oxidation stability is less important.

COMPOSITION:

The active polymeric ingredient in **FUNCTIONAL V-378** is a polyisobutylene long-used in tackifiers. The diluent oil in **FUNCTIONAL V-378** is a thermally stable mineral oil that does not require hazard labeling.

HANDLING:

Due to the viscosity of **FUNCTIONAL V-378**, elevated temperature (about 150°F (65°C)) can facilitate handling. Safe handling precautions are the same as those to be taken with the base oil; see the current MSDS. The tackiness of the resulting lubricant can be lessened by shearing, so mechanical shearing during blending and handling should be minimized.

Print date: 30-08-25

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.