

Supplier - FUNCTIONAL

**V-422**

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*Tackifier for Food Grade Lubricants*

### Typical Properties

Specific Gravity	0.840
Density,lbs/gal	7.00
Flash Point,°C(°F)	150 (300)
Kinematic Viscosity@100°C,cSt	2300 - 3800
Appearance	Clear and Colorless Liquid
Std Packaging (NW / GW, Kg)	168.0 / 185.0

### Product Description

**FUNCTIONAL V-422** is an additive that confers a tack or stringiness to a lubricant. It is used to provide adherence in fluid lubricants and stringiness in greases. **FUNCTIONAL V-422** is approved as a component in FDA/USDA Classification H-1 (21 CFR 178.3570) for lubricants with incidental food contact. For nonfood-grade applications, we recommend **FUNCTIONAL V-178** or, where superior thermal and shear stability are needed, **FUNCTIONAL V-188**.

#### COMPOSITION:

The active polymeric ingredient in **FUNCTIONAL V-422** is an FDA-approved polyisobutylene. The diluent oil is an FDA-approved white mineral oil.

#### HANDLING:

Due to the viscosity of **FUNCTIONAL V-422**, elevated temperature (approximately 150°F) can facilitate handling. Temperatures over about 200°F may lead to degradation of tackiness and viscosity. In greases, we recommend adding **FUNCTIONAL V-422** last, to minimize shear degradation during milling. Safe handling precautions are the same as those to be taken with the base oil; see the current Material Safety Data Sheet.

#### Applications

Fluid Lubricants  
Grease

#### Suggested Treat Rates, %wt

0.5 - 1.5  
0.5 - 2.5

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