

FUNCTIONAL V-4316

HIGH VISCOSITY LIQUID STYRENE VISCOSITY MODIFIER (60 SSI)

APPLICATION:

FUNCTIONAL V-4316 is a concentrated and high viscosity grease polymer for building up base oil viscosity, imparting tackiness, and improving water resistance of lubricants and industrial greases. **FUNCTIONAL V-4316** may be used in place of bright stocks and heavy oil cuts.

The liquid form allows rapid addition waiting for solid polymer to dissolve which suits faster grease production methods. Liquid form also avoids any difficulties with undissolved polymer flake or pellet.

COMPOSITION:

FUNCTIONAL V-4316 is hydrocarbon copolymer in paraffinic oil.

Typical Properties	
Appearance (Visual)	Light Yellow to Yellow, Hazy
Color (ASTM D1500)	≤ 2.0
Flashpoint, Open Cup (ASTM D92)	>180°C / 356°F
Typical Kinematic Viscosity (ASTM D445)	3000 - 4000 cSt at 100°C
Specific Gravity	0.85
Pounds per Gallon	7.1
Shear Stability Index, ASTM D6278	60 SSI
Styrene Polymer Content	5wt%

TREATMENT LEVEL:

Treatment levels of 5% to 10% are recommended to increase viscosity in lubes and improve yield, water resistance, and tack of greases.

HANDLING:

Storage at room temperature is recommended. **FUNCTIONAL V-4316** can be heated (up to approximately 90°C or 200°F) to facilitate handling. **FUNCTIONAL V-4316** is a non-hazardous material; see the current Safety Data Sheet.

This Technical Data Sheet and the Safety Data Sheet contain information believed to be accurate and reliable. No warranty is made, however, to information beyond the control of FUNCTIONAL PRODUCTS INC. The engineering and management personnel of the user are responsible for determining the suitability of this or any product for any specific application, and this information is offered to them for that purpose.
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