

FUNCTIONAL V-378 TACKIFIER FOR HIGH TEMPERATURE LUBRICANTS

APPLICATION:

FUNCTIONAL V-378 is an additive that confers a tack and 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 oxidative stability is less important.

COMPOSITION:

The active 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.

Typical properties	
Specific Gravity	0.83
Lbs per Gallon	6.9
Flash Point	210°C (410°F)
Kinematic Viscosity	4,000 – 6,000 cSt at 100°C
Color (ASTM D1500)	Colorless (<1.0)

TREATMENT LEVEL:

Since there are no standardized test methods for these properties, the required treatment level is best determined by experimentation by the user.

HANDLING:

Due to the viscosity of **FUNCTIONAL V-378**, elevated temperature (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 Safety Data Sheet. The tackiness of the resulting lubricant can be lessened by shearing; mechanical shearing during blending and handling should be minimized.

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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