

FUNCTIONAL V-380 HIGH TEMPERATURE TACKIFIER

APPLICATION:

FUNCTIONAL V-380 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. **FUNCTIONAL V-380** features a proprietary tack preservative that prevents usual tack loss from prolonged or sudden heating. Tackiness at operating temperatures is better maintained than with conventional tackifier products.

For best results, use **FUNCTIONAL V-380** in PAO or Group III base oils. **FUNCTIONAL V-380** will function with mixtures of Group III and less refined petroleum oils contributed from other additives in the finished lubricant. **FUNCTIONAL V-380** will not improve OCP-based tackifiers.

COMPOSITION:

The active ingredient in **FUNCTIONAL V-380** is a polyisobutylene tackifier with a proprietary tack preservative. The diluent oil in **FUNCTIONAL V-380** 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 (ASTM D92)	190°C (374°F)
Kinematic Viscosity (ASTM D445)	3,000 – 5,000 cSt at 100°C
Color (ASTM D1500)	Slight Yellow (<1.0)
String Length (0.5wt% in ISO68)	70

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-380**, 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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