

FUNCTIONAL V-4060

Pellet Grease Tackifier and Water Spray-off Improver

Application:

FUNCTIONAL V-4060 is a pellet polymer for use in greases. Unlike pre-dissolved polymers, the absence of diluent oil permits formulating flexibility and does not alter customary manufacturing processes for grease. Greases made with **FUNCTIONAL V-4060** have increased tack and better water spray-off than those using polymers designed for applications like motor oil.

Composition:

FUNCTIONAL V-4060 is a proprietary polyolefin polymer. It is chemically different from motor oil V.I. improver polymers in its monomer content.

Typical Properties	
Appearance	Translucent to white pellets
Specific Gravity	0.90 – 0.95

Treatment Level:

Typical treatment levels of 0.5 to 1.0% are used in greases to confer tack and improved water resistance:

	Treat Level (%)	Water Spray-off (ASTM D4049)
Base Grease	0.0	53%
V-4060	1.0	15%

Handling:

FUNCTIONAL V-4060 should be incorporated into the batch during saponification or following the addition of the cooling oil to allow sufficient time and high enough temperature for dissolving. A temperature of at least 115°C is necessary for blending and temperatures up to 250°C are acceptable. Higher temperatures will substantially reduce the time required for dissolution. **FUNCTIONAL V-4060** is 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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