

FUNCTIONAL PRODUCTS INC.

Innovative Chemistry for Lubricants

Technical Data Sheet

FUNCTIONAL PD-562

Cold Flow Improver for Low Viscosity Estolides and Saturated Esters

APPLICATION:

FUNCTIONAL PD-562 is a liquid-form pour point depressant based on functionalized polymethacrylate chemistry. **FUNCTIONAL PD-562** has been specifically formulated to provide improved cold flow to saturated estolide and ester base oils.

COMPOSITION:

FUNCTIONAL PD-562 is a functionalized polyalkylmethacrylate blend in highly refined mineral oil.

Typical Properties	
Lbs per Gallon (ASTM D1475)	7.6
Specific Gravity	0.91
Typical Viscosity (ASTM D445)	550 cSt at 100°C
Flash Point (ASTM D92)	>150°C
Color (ASTM D1500)	1.5

TREATMENT LEVEL:

Typical treatment level for **Functional PD-562** ranges from 0.2-1%.

FUNCTIONAL PD-562 Pour Point Depression in 4 cSt Estolide

	0%	0.2%	0.5%	1.0%
BT 4	-21C	-51C	-57C	-54C

HANDLING:

FUNCTIONAL PD-562 should be warmed to about 50°C (120°F) to facilitate pumping and handling. The base oil should be heated to 60-80°C (140-180°F) during blending to allow for good mixing. Mixing time will vary with equipment but is typically at least one hour. Safe handling precautions are the same as those to be taken with base oil; 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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