



THE HANSON GROUP, LLC
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TECHNICAL DATA SHEET

THG FM 110

1. General

THG FM 110 can be used as a lubricant, viscosity modifier, mold release agent, softener, antistat, and pigment dispersant agent. THG-FM 110 can also be used to make chemical intermediates such as fatty acid esters, and as grain refining agents in inks. THG-FM 110 is most versatile in polyolefin extrusion processes such as PE, LLDPE, HDPE, and PP. Stable to 500 C.

2. Physical Data

<u>TEST</u>	<u>SPECIFICATION</u>
Molecular Weight (Calculated)	1315 - 3685
Completeness and Color of Solution	Pass
pH (5% aqueous @ 25C)	5 min – 7 max
Color Pt-Co (25% aqueous @ 25C)	30 max
Hydroxyl Value (mg KOH/g)	31 - 37
Water Content wt%	1.0 max
Retention Mesh	50 max

Meets NF Requirements

3. Usage and Features

THG-FM 110 possesses lubricity, humectant properties and can be used for a wide variety of applications:

- Reactant - Reactive diol/polyether component in polyester or polyurethane resins
- Solvent / Humectant / Plasticizer - wood, cellulose films, inks, paints, coatings, adhesives, sealants.
- Release agent / Lubricant - Mold release agent for rubber and thermoplastic processing, lubricant formulations, metal working fluids
- Binder for ceramics
- Component of auxiliaries for fiber, textile, and leather processing.
- Heat transfer medium in formulations.

Disclaimer

The technical data presented here resulted from our study to the best of our abilities and are presented in good faith but without warranty. We advise to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you based on our technical advice are beyond our control and, therefore, entirely your own responsibility.



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Additional Performance Data

Additive	Percent Transmission		Percent Haze		Percent Clarity	
	600ppm	900ppm	600ppm	900ppm	600ppm	900ppm
PFAS process aid	93.5%	93.1%	32.2%	41.8%	85.1%	66.1%
THG-FM-110	94.2%	94.1%	25.3%	14.1%	96.1%	97.2%
THG-FM8000	94.6%	94.6%	25.1%	14.3%	95.8%	97.8%

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