

HB-230M is a soy polyol. This diol was developed to provide formulators with an exceptional, sustainable alternative to traditional petroleum products.

The *unique Honey Bee™ manufacturing process* yields polyols with higher reactivity, lower color and less steric hindrance than other soy-based products.

Urethanes formulated with Honey Bee™ Polyol inherently **require less additives** than traditional alternatives; have produced impressive results boosting physical properties of urethanes; and ultimately provide a **cost-effective, renewable raw material** for all types of polyurethanes.

This HB-230 *modification* is thixotropic under temperature and time influence. It functions as an emulsifier and is particularly well-suited to aromatic polyester formulations.

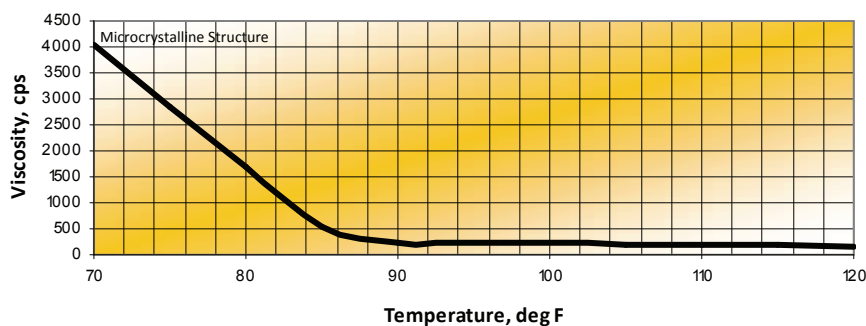
For starter recipes, visit the Honey Bee™ Recipe File at www.honeybee.cc or call 888-627-1223

TYPICAL PROPERTIES

Functionality		~ 2
Hydroxyl Number	mg KOH/gm	225 - 250
Water	%	≤ 0.1
Acid Number	mg KOH/gm	≤ 3.0
Viscosity @ 77°F	cps	4000

Note: Lower acid & water values are available upon request. Values shown are representative and not to be considered specifications.

Honey Bee 230M
Viscosity vs Temperature



STORAGE & HANDLING

Performance may be affected by exposure to atmospheric moisture, extreme temperatures and other chemicals. For best results:

- Store indoors at 70-120F°, exposure to temperatures > 120 F° can lead to thermal oxidation.
- Nitrogen blanket vapor space, keep open containers dry & sealed.
- For more information please refer to **Material Safety Data Sheets** found on our website.

Important: The information contained in this technical data sheet is offered for your consideration, investigation, and verification. It is presented in good faith and is believed to be reliable. MCPU Polymer Engineering, however, makes no representation to either its accuracy or completeness. MCPU Polymer Engineering makes NO WARRANTY, express or implied, with respect to the data contained herein. The product is offered "AS-IS" with all faults. The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of product evaluations) including any suggested recommendations are beyond our control. Therefore, IT IS IMPERATIVE THAT YOU TEST OUR PRODUCTS, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. YOUR USE OF OUR PRODUCTS CONSTITUTES ACCEPTANCE. This application-specific analysis must at least include testing to determine suitability from a technical, as well as health, safety, and environmental standpoint. All information and technical assistance is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation to the contrary is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation or use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.

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