



ADHESIVES & COATINGS, INC
QURETECH®
TECHNICAL DATA SHEET

Route 310 North, Country Club Road
 PO Box 628, Grafton, WV 26354
 304-265-5200, 800-847-7773
 Fax: 304-265-5202
 www.dyna-techadhesives.com

Providing Advanced Water-based and
 Energy Curable Coatings and Adhesives
 For Over 25 Years
 Clean, Safe, Worker Friendly

DynaHM 5003

Flexibility To Meet Your Needs
Stability You Can Depend On

DynaHM 5003 is a low cost hot melt which produces a permanent adhesive film. It has been formulated to provide aggressive quick grab and adhesion to a variety of substrates including Waxy cardboards, PU foam, polyolefin, LDPE, HDPE, PP, PET and corrugated. It may also be used as a laminating adhesive to laminate various substrates including Waxy Cardboards, PU foam, polyolefin, LDPE, HDPE, PP, PET and corrugated. It has been specifically designed for waxy cardboard and sealing mailer bags.

FDA Status Complies with 21CFR175.105

Applications General purpose adhesive

Typical Properties:

Color:	Amber
Type:	Thermoplastic Resin
Viscosity @ 325°F Spindle 21 @ 20 rpm	2450 cps
Softening Point:	280°F
Application Temperature:	325 . 350°F
Applicators:	Reservoir pump, Nip roller
Cleaning Process:	Cleans up easily with heat and scraper. Purge system with non-reactive oil
Packaging:	Steel or fiber drums
Machine:	Extruder, reservoir pump
Web:	1 mil Mylar®
Coatweight; lb./3000 ft.²:	15.0
180° Peel, lbs./pli: (1)	2.0
Shear; 1+x 1+x 1000 gms: (2)	7.5 hrs.

Application Guide:

Apply by any conventional method for high viscosity hot melts including slot die or roll. It is recommended that evaluations of the adhesive be carried out to determine whether the product is suitable for use under individual coater conditions.

Typical adhesive coat weight is 0.8 to 1.2 mils for most applications. Coat the lowest practical temperature, approximately 290°, to avoid thermal degradation. Excessive, or prolonged, heating should be avoided. Enclosure and blanketing of the molten adhesive with nitrogen is suggested.

Storage & Handling:

Under normal conditions, product is stable for 12 months in an unopened container. Store drums in dry areas and keep them tightly covered to prevent contamination. Do not mix with any other products.

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This product information is presented in good faith and is to the best of our knowledge, accurate. It is intended to be used as a guide and is not to be construed as a specification for products described herein. Dyna-Tech does not guarantee satisfactory results in any application from reliance upon this information and assumes no liability for any loss or damage arising out of its use. Dyna-Tech recommends that the user of our products thoroughly test them under end use conditions to assure that they meet the requirements of intended applications.



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Safety Precautions:

Consult Material Safety Data Sheet for hazardous ingredients, disposal methods and related handling information. Use product with adequate ventilation and avoid breathing vapors. Take precautions against skin contact with the molten adhesive to prevent serious burns.

Samples were prepared by direct coating @ 350°F and allowed to cool to 23°C prior to testing
pli - denotes pounds per linear inch

- (1) PSTC-101
- (2) PSTC-107

May 2010

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