



Duracet 12 DB

Duracet 12 DB is a relatively high molecular weight adhesive. This product is designed to meet the requirements needed for heat sealing and laminating greaseproof papers for the assembly of microwave popcorn bags. Characteristics of this product include low foaming, resistance to vegetable oils and compatibility with many dyes. Duracet 12 DB can be diluted with water.

This adhesive conforms compositionally with FDA Regulations 175.105, 176.170, and 176.180.

PHYSICAL PROPERTIES

Polymer Type: Vinyl Acetate

Protective System: Polyvinyl Alcohol

Viscosity (cps): 500 - 1200 (LVF, Spindle #3/30 rpm/77°F)

Percent Solids: 54.6% - 58.1%

pH: 3.9 - 4.9

Tg: 39°C (DSC)

Freeze/Thaw Stability: No

Weight per Gallon (lbs): 9.1

Borax Compatible: No

Mechanical Stability: Excellent

Color: White

Plasticizer Response (avg): 1.7

ADDITIONAL INFORMATION

FILM PROPERTIES

Dry films of Duracet 12 DB are hard, with a glossy, translucent appearance. Plasticizer resistance is good.

COMPOUNDING INFORMATION

DURACET 12 DB may be thickened using high molecular weight polyvinyl alcohol solutions or conventional cellulosic thickeners. Solvent thickening is not particularly efficient, although solvents may be incorporated in order to enhance the specific adhesion by attacking a particular coating or film. Polar solvents, such as ketones, should be diluted prior to incorporation to prevent localized gel formation. DURACET 12 offers wide compatibility with a variety of conventional and proprietary plasticizers and will generally accept high plasticizer loadings without excessive loss of film tensile strength.

Duracet 12 DB conforms compositionally with FDA Regulations 175.105, 176.170, and 176.180.

STORAGE AND HANDLING

Shelf Life: Best if used within nine months of date of manufacture. Mix before use for best results. Store in closed containers. Product is freeze-thaw stable but may need to be mixed prior to use.

For additional questions, Franklin's technical service team is available at 1.800.877.4583. **24/7** technical service is available online at www.franklinadhesivesandpolymers.com.

IMPORTANT NOTICE TO CUSTOMER:

The recommendations and data contained in this Product Data Sheet for use of this product are based on information Franklin believes to be reliable. They are offered in good faith without guarantee, as conditions and methods of use of our product by Customer are beyond Franklin's control. Customer must determine the suitability of the product for a particular application before adopting it on a commercial scale.

All orders for Franklin products shall be subject to Franklin International, Inc.'s Standard Terms and Conditions of Sale which may be found at http://www.franklin.com/Terms_and_Conditions.aspx ("Standard Terms"). Different or additional terms proposed by Customer are expressly rejected and shall not become part of the agreement between Customer and Franklin International, Inc. with respect to any order. Contact Franklin International, Inc. immediately if you cannot access our Standard Terms and we will provide you a copy upon request. Any sale of products by Franklin to Customer is expressly conditional upon Customer's consent to the Standard Terms, and Customer's acceptance of any performance by, or receipt of products from, Franklin International, Inc. shall constitute Customer's acceptance of the Standard Terms and Conditions of Sale.

© Copyright 2013. All rights reserved. Franklin International. Revised 11/21/13.