



RHOBARR™ 110 Binder

Product Availability

- Available globally.

Description

Acrylic Barrier Coating Emulsion for Paper and Paperboard Applications

Key Features

- Facilitates barrier to hot oil, grease and liquid water
- Low surface tack and good resistance to blocking
- Hydrophobic barrier with high gloss
- Good stability when blended with inorganic pigments such as clay, calcium carbonate, titanium dioxide and talc
- Good stability when blended with water soluble polymers such as starch, PVOH or rheology modifiers
- Heat Sealable

RHOBARR™ 110 is an acrylic copolymer latex. RHOBARR™ 110 Binder is designed for use in paper and board coatings offering oil and grease barrier properties combined with block resistance and flexibility. It has been developed to be applied by most common aqueous coating or printing methods. Superior performance in severe folded OGR barrier testing can be achieved by using binder-rich coating formulations.

Typical Physical Properties

(These properties are typical but do not constitute specifications.)

Property	Typical value
Ionic Nature	Anionic
Appearance	Milky White
Solids Content, %	50
Viscosity, 25°C, cP (Brookfield, LV, Spindle #3, 60 rpm)	250
pH	9.0
Density, 25 °C, lbs./US gallon	8.75
Specific gravity, g/cm ³	1.05
Glass Transition Temperature (Tg)	+7°C



FDA STATUS

FDA Regulation	Complies	Limitations	Opinion Date
21CFR176.170 Components of paper and paperboard in contact with aqueous and fatty foods	Yes; with limitations as noted	Provided that the food contact surface of the paper and paperboard complies with the Extractives Limitations in 21CFR176.170 paragraph (C)	02/10/2016
21CFR176.180 Components of paper and paperboard in contact with dry food	Yes		02/10/2016

BfR STATUS

All components used in the manufacturing of RHOBARR 110™ comply with the requirements of BfR-recommendation XIV-A. For relevant limitations please refer to our most recent 10/2011/EC-status available for this product. Dispersions complying with BfR-recommendation XIV-A can be used in accordance with BfR-recommendation XXXVI (Paper and board for food contact) as sizing agents (chapter B.I.10.) and as surface refining and coating agents (chapter C.IV.1.). Some components are subject to a restriction. This proprietary information will be supplied upon your request following terms and conditions in agreement with the Company policies. Please contact our Customer Information Group (CIG@DOW.com) for more details.



Handling Precautions

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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RHOBARR™ 110 Binder / Dow Coating Materials