



POLYCO™ 3960 Vinyl Acetate / Acrylic Copolymer

Regional Product Availability

- North America

Description

Vinyl Acetate / Acrylic copolymer for Paper and Paperboard coatings

POLYCO™ 3960 is a vinyl acetate / acrylic copolymer binder with a good balance of properties for many paperboard and paper applications. It has a large particle size which contributes to improved optical properties. It is recommended for many paperboard applications requiring a balance of strength, printability, enhanced optical coverage and glueability. In the manufacturing of POLYCO 3960, Alkyl Phenol Ethoxylates (APE) are not used. POLYCO 3960 Binder meets new food compliance requirements (listed below).

Typical Properties

These properties are typical but do not constitute specifications

Property	Typical Values
Ionic Nature	Anionic
Solids %:	50
pH as packed:	6.5
Brookfield viscosity, cP:	120
Glass Transition Temperature (T _g °C)	+25
Density, 25 °C, lbs./US gallon	9.0
Specific Gravity	1.08



FDA STATUS

FDA Regulation	Complies	Limitations	Opinion Date
<p>21CFR176.170 Components of paper and paperboard in contact with aqueous and fatty foods</p>	<p>Yes; with limitations as noted</p>	<p>Provided that the food contact surface of the paper and paperboard complies with the Extractives Limitations in 21CFR176.170 paragraph (C)</p>	<p>9/21/2012</p>
<p>21CFR176.180 Components of paper and paperboard in contact with dry food</p>	<p>Yes, with limitations as noted</p>	<p>Must not exceed 49°C (120°F)</p>	<p>9/21/2012</p>

All components used in the manufacturing of POLYCO™ 3960 Emulsion are listed either in BfR-Recommendation XIV-A (Plastics Dispersions) or in BfR-Recommendation XXXVI (Paper and board for food contact). 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 Coating Materials 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.

Contact:

North America: 1-800-447-4369
Latin America: (+55)-11-5188-9000
Europe: (+800)-3-694-6367
Asia-Pacific: (+800)-7776-7776
<http://www.dowcoatingmaterials.com>

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