

Epoxicolor[®] 002 White

Low cost, High Opacity, Medium Tinting Color Paste

The Epoxicolor[®] 002 White is a high quality dispersion of premium pigments in a bisphenol A epoxy resin carrier. This color paste is solvent free. The pigments used are non-migratory and are heat and chemical resistant. Epoxicolor 002 is intended as a low cost white color paste for use in tinting and industrial applications. When blended with other colorants it provides high opacity even at levels as low as 0.1% by weight and allows the users to efficiently tint (lightening) other colors. Compared to Epoxicolor 001, which is made with titanium dioxide, the Epoxicolor 002 has a weaker tinting strength, but similar opacity. This allows the end user to achieve highly opaque color tones and darker tints at lower total pigment concentration than would be possible using titanium dioxide.

This color paste is designed to be used with epoxy, polyurethane and many other types of liquid resins. It is compatible with most epoxy and polyurethane systems and with some polyester and PVC formulations. The color paste allows for the uniform coloration with little or no effect on the cured properties of the resins to which it is added. The suggested applications include adhesives, castings materials, encapsulants, and coatings, but many other applications are possible.

HANDLING PROPERTIES	VALUE	TEST METHOD
Visual Appearance	White flowable paste	
Density	1.82 g/cm ³	ASTM E-201
Viscosity, Part A, at 25°C	145,000 cps	ASTM D-2393
Resin Content	45% - 50%	Calculated
Epoxy Equivalent Weight	390 g/eq	Calculated
Flash Point	>150°C	ASTM D-92

SUGGESTED PROCESSING GUIDELINES:

To use, mix the required quantity of Epoxicolor paste into the resin until the mixture is uniform. A maximum of 3% by weight of the resin is recommended for most applications. Higher levels can be used, but at higher levels an adjustment to the mix ratio of the resin and hardener may be necessary to retain the full properties of the cured system.

Mixing the Epoxicolors with each other can yield custom blends for color matching, aesthetic or other purposes... Blends of the Epoxicolors with each other are generally stable throughout the shelf-life of colorants. Blends of the Epoxicolors into most epoxy resins and in most polyols are also stable for extended periods, but blends of the Epoxicolors into amine hardeners, isocyanates or other curative may cause a gelation of the mixture over time and so should be done only when the mixture will be used immediately.

STORAGE GUIDELINES:

Product Datasheet



Store this material in a clean, cool and dry environment in its tightly closed original containers. Protect from extended exposure to temperatures below 15°C (59°F). Crystallization may occur if the material is exposed to cold for extended periods. If this occurs, heat the entire container for 2-4 hours at 50°C to 60°C to re-liquefy the material. Allow to cool to ambient temperature and re-mix prior to using. If the recommended storage conditions are observed the products will have a shelf-life of at least 24 months from the date of shipment.

HANDLING PRECAUTIONS:

Mandatory and recommended industrial hygiene procedures should be followed whenever these products are being handled and processed. For additional information please consult the corresponding material safety data sheets.

PERSONAL HYGIENE:

CAUTION! May cause eye & skin irritation. Prolonged or repeated skin contact may cause allergic skin reactions. Harmful if inhaled or swallowed. Avoid contact with eyes, skin, or clothing. Wear eye protection and impervious gloves when handling. Wash thoroughly after handling. Avoid breathing vapor or mist. Keep containers closed when not in use. Use only with adequate ventilation. Do not take internally.

FIRST AID

In case of contact:

Skin – Immediately wash skin thoroughly with mild soap and water. Remove contaminated clothing and wash before reuse. Destroy contaminated shoes and other articles made of leather.

Eyes – Immediately flush eyes with plenty of water for 15 minutes and get prompt medical attention.

Inhalation - Remove person to fresh air. Administer oxygen or artificial respiration if necessary. Call a physician.

Ingestion - Do not induce vomiting. Dilute with plenty of water and contact physician immediately. Never give anything by mouth to an unconscious person.

DISCLAIMER:

IMPORTANT: The following supercedes Buyer's documents. **SELLER / MANUFACTURER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller / Manufacturer be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results presented are based on controlled or laboratory work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended

Specialty Polymers & Services, Inc. (SP&S)

27822 Fremont Court

Valencia, CA 91355

www.spolymers.com

Tel: 661-294-1790

Fax : 661-294-0640

info@spolymers.com