

Epoxicolor[®] 092 Black Iron Oxide Color Paste

The Epoxicolor[®] 092 Black Color Paste is a high quality dispersion of premium Black Iron Oxide pigment in a bisphenol A epoxy resin carrier.

This color paste is used to tint epoxy, polyurethane and many other types of polymers. It is compatible with most epoxy and polyurethane systems and with some polyester and PVC formulations. The color paste allows for the simple, inexpensive and uniform coloration of most systems 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.

The Epoxicolor[®] 092 Color paste contains no solvents or plasticizers that can contribute to outgassing or reduce cured properties. The pigment is non-migratory and is extremely chemical resistant with only strong acids and bases being considered likely to have any significant effect. In addition, the colorant is extremely resistant to outdoor and UV exposure and demonstrates virtually unlimited light-fastness. The pigment is heat stable to at least 300°F (150°C). Extended exposure to temperatures above 300°F, especially in an oxygen environment can slowly lead to conversion of the pigment into red iron oxide resulting in a color shift.

<u>Properties:</u>	<u>Typical Value</u>	<u>Test Method</u>
Weight Per Gallon	16.65 lbs/gallon	ASTM D-1475
Specific Gravity	1.99 grams/ml	ASTM D-792
Pigment Weight %	60%	ASTM D-2371
Total Solids, %	100%	Calculated
Carrier (epoxy) weight %	40%	Calculated
Epoxy Equivalent Weight of carrier	190	Calculated
Heat Stability	Stable to at least 300F	

SUGGESTED PROCESSING GUIDELINES:

To use, mix the required quantity of Epoxicolor 092 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 and adjustment to the mix ratio of the resin and hardener may be necessary to retain the full properties of the cured system.

Mixing the Epoxicolor 092 with other Epoxicolor pastes 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 are also stable for extended periods, but blends of the Epoxicolors into hardeners or curative may cause a gelation of the mixture over time and so should be done only when the mixture will be used quickly.

Product Datasheet



STORAGE GUIDELINES:

Store these materials in a clean, cool and dry environment in their 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 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 minimum shelf-life of 12 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

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