

H86

FEATURES

- Low water absorption
- Viscosity reduction
- Mixture stability

COMPOSITION

- Methyltetrahydrophthalic anhydride



H86 is a hardener for epoxy resins based on methyltetrahydrophthalic anhydride with low tendency to absorb humidity from the air, minimal formation of carbon dioxide when mixed with tertiary amine accelerators. Miscible with various liquid resins, it generates a stable, low viscosity and long lasting mixture, used for casting, impregnation and lamination.

APPLICATIONS

- Laminates, printed circuits, switches, filament winding, capacitors, resistors, transformers.

TYPICAL PROPERTIES

This data does not constitute the Product Sales Specifications. The values indicated refer to typical properties and are not to be understood as extreme minimum or maximum values. They do not constitute a guarantee of product conformity and do not relieve the buyer from the need to test the suitability of the products before use or placing them in his production cycle. Please contact your local sales representative to obtain the product specifications.

| Property | Unit | Value |
|-------------------|-------------------|---|
| Aspect | Visual | Liquid |
| Color | Hazen | 80 max |
| Density at 23°C | g/cm ³ | 1.197 |
| Viscosity at 23°C | mPa.s | 58 |
| Formula | % | C ₉ H ₁₀ O ₃ |
| Molecular weight | | 166.2 |
| Purity | % | 99.0 min |
| Acid content | % | 0.5 max |

USE

H86 is used with epoxy resins with epoxy equivalent 190 in the ratio Resin: Anhydride = 100 to 85, parts by weight. The anhydride resin system can be accelerated with amines, imidazoles, ammonium salts. Contact the Chemix laboratory for precise detailed information.

HANDLING PRECAUTIONS

The information for a correct and safe handling of the products is contained in the safety data sheet. Consult the safety data sheets before use for complete information on the risks to health and the environment and for the suitable protective devices to be adopted. Share

the safety data sheets with all staff involved in the use of the products.

PACKAGING

The product is supplied in 25 and 200 liters packs and 1000 liter IBCs.

USABLE LIFE - STORAGE

Store in the original unopened containers at a temperature between +15°C and +30°C. Be sure to close the containers after use. Keep away from open flames or other potential sources of ignition. Protect from moisture. This material can crystallize easily in contact with the humidity of the air. In the winter season it can solidify, however it can be easily

restored with a simple heating. The product, if stored under the specified conditions, has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

This product is neither tested nor represented as suitable for food contact, skin contact or medical uses.

LIMITED WARRANTY

The information contained in this document is offered in good faith based on Chemix research and is believed to be accurate. However, as the conditions and methods of use of our products are beyond our control, this information should not be used as a substitute for the tests that customers must first perform to ensure that Chemix products are fully satisfactory for their specific applications. The warranty is only applicable to the values indicated in the Product Sales Specifications. The sole and exclusive compensation for products with values

that are out of specification is limited to the replacement of the product or the refund of the purchase price.

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