

Technical Data Sheet

EPON™ Resin 824

Product Description

EPON™ Resin 824 is a liquid epoxy resin that was developed for high crystallization resistance. This product is a modified bisphenol A based resin with low viscosity that does not contain reactive diluents, benzyl alcohol or solvents.

Application Areas/Suggested Uses

EPON Resin 824 brings significant benefits to applications where a combination of low resin viscosity and crystallization resistance are needed. These end uses include:

- Solventless flooring applications (glaze coats, self-leveling floors, trowellable floors)
- Solventless tank linings for general industrial applications
- Low VOC coating formulations
- Adhesives
- Encapsulants

Benefits

- Higher performance and crystallization resistance compared to alternative low viscosity, liquid epoxy resins
- Very good wetting and adhesion to concrete and metal surfaces
- Resin viscosity comparable to a standard Bis F liquid resin

Sales Specifications

| Property | Value | Unit | Test Method |
|--------------------|-----------|---------|-------------|
| Color | 1 max. | Gardner | ASTM D1544 |
| Weight per Epoxide | 192 - 204 | g/eq | ASTM D1652 |

Typical Properties

| Property | Value | Unit | Test Method |
|-------------------|---------|--------|-------------|
| Density at 25°C | 9.6 | lb/gal | ASTM D1475 |
| Viscosity at 25°C | 40 - 70 | P | ASTM D445 |

EPON Resin 824
<https://www.hexion.com/en-US/product/epon-resin-824>

Generated: May 20, 2019
 Issue Date:
 Revision: 9/1/2005 12:00:00 AM

© and ™ Licensed trademarks of Hexion Inc.

The information provided herein was believed by Hexion Inc. ("Hexion") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Hexion are subject to Hexion's terms and conditions of sale. **HEXION MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY HEXION**, except that the product shall conform to Hexion's specifications. Nothing contained herein constitutes an offer for the sale of any product.

Processing/How to use

General Information

Table 1 / The following table compares typical properties for EPON Resin 824 with other low viscosity liquid epoxy resins from HEXION Specialty Chemicals:

| Property | Method | Units | EPON Resin <u>824</u> | EPON Resin <u>826</u> | EPON Resin <u>862</u> |
|-------------------------|------------|---------|-----------------------|-----------------------|-----------------------|
| Epoxy Equivalent Weight | ASTM D1652 | g/eq | 192-204 | 178-186 | 166-177 |
| Viscosity @ 25°C | ASTM D445 | P | 40-70 | 65-95 | 25-45 |
| Color | ASTM D1544 | Gardner | 1 max. | 1 max. | 2 max. |
| Pounds per Gallon | | lbs/gal | 9.6 | 9.7 | 9.9 |

Safety, Storage & Handling

Please refer to the MSDS for the most current Safety and Handling information.

Please refer to the Hexion web site for Shelf Life and recommended Storage information.

Exposure to these materials should be minimized and avoided, if feasible, through the observance of proper precautions, use of appropriate engineering controls and proper personal protective clothing and equipment, and adherence to proper handling procedures. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheet (MSDS) for these and all other products being used are understood by all persons who will work with them. Questions and requests for information on Hexion Inc. ("Hexion") products should be directed to your Hexion sales representative, or the nearest Hexion sales office. Information and MSDSs on non-Hexion products should be obtained from the respective manufacturer.

Packaging

Available in bulk and drum quantities.

Contact Information

For product prices, availability, or order placement, please contact customer service:

www.hexion.com/Contacts/

For literature and technical assistance, visit our website at: www.hexion.com

EPON Resin 824
<https://www.hexion.com/en-US/product/epon-resin-824>

Generated: May 20, 2019
Issue Date:
Revision: 9/1/2005 12:00:00 AM

® and ™ Licensed trademarks of Hexion Inc.

The information provided herein was believed by Hexion Inc. ("Hexion") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Hexion are subject to Hexion's terms and conditions of sale. **HEXION MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY HEXION**, except that the product shall conform to Hexion's specifications. Nothing contained herein constitutes an offer for the sale of any product.