

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	ASTMD1544
Weight per Epoxide	192 - 204	g/eq	ASTMD1652

Typical Properties

Property	Value	Unit	Test Method
Density at 25°C	9.6	lb/gal	ASTMD1475
Viscosity at 25°C	40 - 70	P	ASTMD445

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:

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

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Property	Method	Units	EPON Resin 824	EPON Resin 826	EPON Resin 862
Epoxide 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

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