

# Technical Data Sheet

## EPIKURE™ Curing Agent 3202

### Product Description

EPIKURE™ Curing Agent 3202 is a modified aliphatic amine. It is compatible with both reactive diluent modified epoxy resins and conventional bisphenol A epoxy resins. EPIKURE 3202 is compatible and can be used in combination with most aliphatic and cycloaliphatic amine curing agents to modify handling characteristics or cured state properties.

### Application Areas/Suggested Uses

- General purpose casting and encapsulation
- Low VOC

### Benefits

- Low viscosity
- High reactivity at room temperature
- Low color
- Good chemical resistance

### Sales Specifications

Property	Value	Unit	Test Method
Amine Value	1.225 - 1.525	mg/g	ASTMD2896
Color	9	Gardner	ASTMD1544

### Typical Properties

Property	Value	Unit	Test Method
Density	8.20	lbs/gal	ASTMD1475
Equivalent Weight Approx.	37	AHEW	
Non-volatile materials	100.0	% by Weight	
Viscosity @ 25°C	20	cP	ASTMD2196

<sup>1</sup> Brookfield Viscometer - Small Sample Adapter, about 10 grams.

<sup>2</sup> Weight per Gallon Cup.

### Performance Properties

Table 1 / Properties of EPON Resin 828 cured with EPIKURE Curing Agent 3202

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<https://hexioninternet-hexioninternet-slave.azurewebsites.net/en-US/product/epikure-curing-agent-3202>

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	Method	Units	Value
EPON Resin 828		pbw	100
EPIKURE Curing Agent 3202		pbw	20

#### Handling Properties @ 25°C

Gel Time, 100 gram mass	SHYODU Gel Timer	min	21
Cure Schedule		hrs @ 25 °C	24
		hrs @ 100 °C	2

Cured State Properties			
Heat Deflection Temperature <sup>1</sup>	ASTM D648	°C	109
Tensile Strength <sup>2</sup>	ASTM D638	psi	10,046
Tensile Elongation		%	10.7
Tensile Modulus		ksi	381
Hardness <sup>3</sup>	ASTM D2240	Durometer D	86

#### Chemical Resistance<sup>4</sup>

Water		%	0.2
5% Acetic Acid		%	1.8
50% Xylene/50% Isopropanol		%	0.0

<sup>1</sup> HDT ASTM D648 (Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position)

<sup>2</sup> ASTM D638 (Tensile Properties of Plastics)

<sup>3</sup> ASTM D2240 (Standard Test Method for Rubber Property-Durometer Hardness)

<sup>4</sup> Percent weight gain after immersion for 24 hours @ 25°C - specimen size 1/8" X 1" X 3"

## General Information

EPIKURE 3202 is an effective converter for most types of epoxy resin. It has a tendency to form complexes with atmospheric carbon dioxide, particularly in humid conditions, and can be formulated, adducted or otherwise reacted to inhibit amine blush.

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## 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/](http://www.hexion.com/Contacts/)

For literature and technical assistance, visit our website at [www.hexion.com](http://www.hexion.com)

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