

## Starting Formulation

### EPON Resin CS-241 and CS-242 Product Description

EPON™ Resin CS-241 and CS-242 are blends of bisphenol A based liquid epoxy resin and C12-C14 alkyl glycidyl ether similar to EPON Resin 8132.

EPON Resin CS-241 is the highest viscosity version of EPON Resin 8132 for flooring and CS-242 is the medium viscosity version of EPON® Resin 8132 for flooring.

### EPON Resin CS-241 and CS-242 Application Areas/Suggested Uses

- Flooring
- Coatings
- Adhesives
- Composites
- Encapsulation

### EPON Resin CS-241 and CS-242 Benefits

- Low viscosity
- Low volatility modifier
- Good wetting characteristics
- Good chemical resistance

### EPON Resin CS-241 and CS-242 Sales Specification

Property	Units	Value	Test Method/Standard
EPON Resin CS-241			
Weight per Epoxide	g/eq	190 – 200	ASTM D1652
Viscosity at 25°C	P	22.5 – 27.5	ASTM D445
Color	Gardner	1 max.	ASTM D1544
EPON Resin CS-242			
Viscosity at 25°C	P	13.5 – 18.5	ASTM D445

### EPON Resin CS-241 and CS-242 Typical Properties

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Property	Units	Value	Test Method/Standard
EPON Resin CS-241			
Density at 25°C	lb/gal	9.6	ASTM D1475
EPON Resin CS-242			
Weight per Epoxide	g/eq	195 – 205	ASTM D1652
Color	Gardner	1 max.	ASTM D1544
Density at 25°C	lb/gal	9.4	ASTM D1475

## EPON Resin CS-241 and CS-242 General Information

### Neat Resin Physical Properties

A comparison of neat resin casting physical properties made with EPON Resin 828, EPON Resin 8132 and EPON Resin CS-242 is provided in Table 1. Properties for EPON Resin CS-241 can be interpolated from the data.

Table 1 / Neat resin Casting Properties

	Units	A	B	C
EPON Resin 828	pbw	100		
EPON Resin CS-242	pbw		100	
EPON Resin 8132	pbw			100
EPIKURE™ Curing Agent 3234	pbw	13	12	12
Gel Time, Shyodu, 200 grams	minutes	41	121	136
Cure Schedule	hrs/°C	----- 24 / 25 + 2 / 150 -----		
Tg by DSC	°C	132	87	77
Tensile Strength at break	ksi	11.0	10.0	7.8
Tensile Modulus	ksi	420	480	410
Tensile Elongation	%	5.7	4.6	5.3

## EPON Resin CS-241 and CS-242 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.

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## EPON Resin CS-241 and CS-242 Packaging

Available in bulk and drum quantities.

## EPON Resin CS-241 and CS-242 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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