

# EPOXY RESIN



CAS Number: 25068-38-6

Other Names: ED 20 acrylate; Bisphenol A-epichlorohydrin Acrylate

Formula:  $C_{21}H_{25}ClO_5$

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## PRODUCT INTRODUCTION

Epoxy resins, also known as polyepoxides, are a class of reactive prepolymers and polymers which contain epoxide groups. Resin epoxy is a thermosetting resin based on the reactivity of the epoxide group.

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## PHYSICAL AND CHEMICAL PROPERTIES

EGC	5323 mmol/kg
EEW	187.9 g/eq
Viscosity at 25°C	13.0 Pa.s
Color	20 APHA
Hydro. Chlorine	266 mg/kg
Total Chlorine	1230 mg/kg

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## APPLICATIONS

- The applications for epoxy-based materials are extensive and include coatings, adhesives and composite materials such as those using carbon fiber and fiberglass reinforcements.
  - Epoxy has a wide range of applications, including metal coatings, use in electronics/electrical components/LEDs, high tension electrical insulators, paint brush manufacturing, fiber-reinforced plastic materials and structural adhesives.
  - Epoxy is sometimes used as a glue
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## PACKAGING OPTIONS

Drums

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