

Capa™ Monomer

ε-caprolactone



Description

- Caprolactone monomer is a colourless liquid with low viscosity.
- The lactone ring is relatively easily opened by compounds containing active hydrogen atoms such as alcohols. Each ring opening step forms a terminal, primary hydroxyl group.

Applications

- Particularly valuable as the Capa™ monomer adds flexibility to thermosetting acrylic resins and unsaturated polyester gel coats.
- Can be used as a reactive diluent in epoxy resins.

Delivery forms

- 200 kg HDPE drums
- 1100 kg IBC's
- Bulk

Storage

- Undisturbed packaging as delivered until shortly before use. Storage area should be covered and protected from higher than ambient temperatures at all times.
- For bulk tank storage specific considerations need to be given to cleanliness, materials of construction and prevention of air ingress to the tank. Technical advice on a storage tank is available on request.

Sales specification

Acid value, mg KOH/g, ¹	Max 0.2
Water content, % ²	Max 0.015
Purity, % ³	Min. 99.9

Typical properties

Boiling point, °C	241
Flash Point, °C	111
Refractive Index, n _D 20	1.4629
Melting point, °C	-1
Viscosity (20 °C), cps	6.67

Solubility parameters

The solubility parameter (δ) is 10.15 (cal/cm³)^{1/2}

Analytical method

¹ S 11500 WM27A, ² WC/600/H2O, ³ S 11500 MW1 Purity

Analytical methods available on request

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