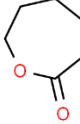


TECHNICAL SPECIFICATION



E-CAPROLACTONE

1. Basic Information

Product Name	E-Caprolactone
Structural Formula	
Molecular Formula	C ₆ H ₁₀ O ₂
CAS No.	502-44-3
EINECS	207-938-1
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 stop 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.

2. Specifications

Items	Specification
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 (centigrade)	241
Flash point (centigrade)	111
Refractive index	1.4629
Melting point (centigrade)	-1
Viscosity (20 centigrade)	6.67

3. Additional Information

Delivery forms	200 kg HDPE drums 1000 kg IBC's Bulk
Storage	Undisturbed packaging 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 conditions 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.
Solubility parameters	The solubility parameter is 10.15 (cal/cm ³) ^{1/2}