Lencolo®
蓝柯路

TDS

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L-6109(CA) Caprolactone Acrylate

CAS#110489-05-9

Description

L-6109 is a caprolactone acrylate monomer formed by the reaction of ε-caprolactone and acrylic acid. When it is copolymerized with other low-molecular-weight reactive components, the resulting copolymers exhibit the typical properties of caprolactone materials — including high flexibility, excellent hydrolysis resistance, good chemical resistance, and good chemical compatibility — especially outstanding impact toughness.

Technical data

Appearance	Transparent liquid
Molecular Weight	344
Color Number (APHA)	≤ 50
Viscosity (25ºC, CPS)	60 - 80
Density d (g/mL, 25/4°C)	1.06
Tg(ºC)	47
Refractive Index	1.463
Surface Tension (dyne/cm)	31.3
Functional Group	1

Performance

Low irritation, low volatility, low odor mono-functional monomer

Excellent chemical resistance, weatherability, flexibility, impact strength, abrasion resistance

Can be used as a UV reactive diluent

Suitable for cationic UV curing and polymer synthesis

Applications

Widely used in coatings, inks, adhesives and other systems.

Storage

To prevent premature polymerization due to the high reactivity of this product, keep it tightly sealed and store away from heat sources and direct sunlight. It is recommended to maintain storage temperature below 30 °C. Unused product should be promptly resealed and must not be left open. Under ventilated conditions at 25 °C, the product has a safe storage period of 6 months. Available packaging: 25 kg / 200 kg per drum

Tips: L-6109 features low odor, high flexibility, and low shrinkage