

**L-61055 (TMCHA) 3,3,5-trimethylcyclohexyl acrylate**

CAS#: 86178-38-3

Molecular Structure: CH<sub>12</sub>H<sub>20</sub>O<sub>2</sub>      Molecule Weight (g/mol): 196.29**Description**

**L-61055** A monofunctional acrylic UV-curable monomer with low odor and low skin irritation; it features low viscosity, strong diluting ability, low surface tension, and good substrate wetting. It has a high glass transition temperature and a balanced hardness and flexibility, providing excellent wetting and adhesion promotion for various plastic substrates.

**Technical Data**

Appearance	Transparent liquid
Color Number (APHA)	≤ 50
Viscosity (25°C, CPS)	2 - 8
Water (%)	≤ 0.2
Polymerization Inhibitor (ppm)	100 - 300
Refractive Index	1.453
Surface Tension Dynes/cm, 20°C	27.1
Tg (°C)	43
Acid Value (mgKOH)	≤ 0.5
Functional Group	1

**Product Features**

Low odor, high hydrolysis resistance, low shrinkage, good toughness

**Applications**

Widely used in photo-curing polymerization fields such as UV coatings, UV 3D printing inks, UV screen printing inks, UV adhesives, UV glues, and UV inkjet.

**Storage Conditions**

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-61055 has light color and good compatibility; it wets the substrate well and can be used as a solubilizer.

Note: Technical data represents typical values only. In view of the differences in formulas, production process, conditions, all the above statements must be adjusted according to the actual situation, our company does not make any promises. Our company reserves the right to reform its products without prior notice of any changes.