

L-6107(DMAA) N, N Dimethylacrylamide

CAS#2680-03-7

Description

L-6107 It is an acrylic monomer suitable for photocuring reaction. It has high refractive index, high adhesion, chemical resistance, durability, and high impact strength. DMAA has excellent compatibility and adhesion to polyolefins, unsaturated polyesters, ABS, PC, PMMA, untreated PET and even PP, PE, etc. role. It can provide a micro-etching / swelling effect on various plastic films, improving bonding performance.

Technical Data

Appearance	Colorless or light yellow transparent liquid
Molecule Weight (g/mol)	99.13
Viscosity (25°C, CPS)	2 - 8
Density d (g/mL, 25/4°C)	0.96
Flash Point (°C)	71
Boiling Point (°C, normal pressure)	46
Refractive Index	1.472
Surface Tension (dyne/cm)	37.1
Color Number (APHA)	≤ 60
Functional Group	1

Product Features

Excellent adhesion and compatibility with PC, PMMA, untreated PET, and even PP / PE. Provides a micro-etching / swelling effect on various plastic films, resulting in significantly improved bonding performance.

Fast reactivity with good flexibility.

Low skin irritation and good hydrophilicity.

Applications

UV adhesives, 3D UV printing resins, UV nail polishes, UV inks, UV coatings, water-based UV coatings, etc.

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 / 190 kg per drum

Tips: L-6107 ultra-low viscosity, good water solubility, strong dilution capability, strong solvency, and excellent adhesion to difficult substrates.

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.