

# Morphomer™ X3-56 (UDMA-NT)



**MetamorphicMaterials**

*Transformative Technologies*

## ALIPHATIC URETHANE DIMETHACRYLATE

### DESCRIPTION

Morphomer UDMA is a low molecular weight aliphatic urethane dimethacrylate that is a component of UV and peroxide cured cosmetic and dental coatings and composites. Its low viscosity allows high use levels for adhesion, chemical resistance and toughness. It is produced without intentionally added tin.

### PERFORMANCE PROPERTIES

- Adhesion
- Good Water Resistance
- Good Weatherability
- Good Hardness
- Tough

### SUGGESTED APPLICATIONS

- Adhesives (peroxide cure or UV)
- Coatings
- Electronics, stereolithography

### ALTERNATE NAMES

- DUDMA (diurethane dimethacrylate)
- DiHEMA trimethylhexyl dicarbamate  
CASRN: 71869-86-4

UDMA	
TYPICAL PHYSICAL & CHEMICAL PROPERTIES	
Appearance	Clear liquid
Refractive Index	1.48
Molecular Weight	470
Functionality	2
Color, APHA	70
Viscosity 25°C	8,000 cps
Specific Gravity	1.11

Morphomer MR UDMA contains a combined inhibitor/antioxidant package with /MEHQ levels below 200 ppm.