

Item # X-850-0000, Urethane Dimethacrylate

Product Name: Urethane Dimethacrylate

Synonyms: UDMA, DUDMA, diurethane dimethacrylate

Urethane Dimethacrylate is used in both visible light and UV cure applications. Our X-850-0000, has a low viscosity and cures to form a hard, glassy surface that is low in color and is considered bisphenol A free! Urethane dimethacrylates are also used as a primary component in anaerobic adhesive applications.

TYPICAL PROPERTIES

Molecular Formula	Proprietary
Molecular Weight	Proprietary
Refractive Index	1.4832
Inhibitor	MeHQ – 139 ppm
Toxic Substance Control Act List	Listed
Toughness at Max Strength (J)	2.05
Conversion (%)	75.2
Volumetric Shrinkage (%)	5.8
Average Shrinkage Stress (MPa)	1.6
Color (APHA)	18
Avg. Hardness	82
Max Strength (N)	935.02
Tensile Strength (N/mm ²)	56.99
Modulus (GPa)	0.733
Elongation (%)	8.99
Viscosity @ 25°C (cps)	6,000 – 11,000