

EXP-0473: Experimental Urethane Dimethacrylate

Description

EXP-0473 is an R&D Urethane Dimethacrylate Oligomer. This tin-free molecule was designed using a bio-based backbone to target a low Tg, high elongation, and very low shrinkage. This product has an easily workable viscosity at 40°C and can be added to formulations to increase elongation and flexibility.

Performance Highlights

- ✓ High elongation
- ✓ Good flexibility
- ✓ Low viscosity

Typical Energy Curable Applications

- ✓ 3D Printing
- ✓ Industrial
- ✓ Cosmetic

Typical Properties

Functionality	2
Inhibitor, BHT (ppm)	500
Color (APHA)	100
Viscosity, 40C (cps)	35,000
Tensile Strength (N/mm ²)	2
Elongation (%)	75
Elastic Modulus (N/mm ²)	15
Tg (°C)	-50
Volumetric Shrinkage (%)	1

All information contained in this data sheet is given in good faith and without liability. It is intended to serve only as guidance. Users are advised to conduct their own evaluation of the product to determine its proficiency into products and processes. Users should ensure that the use of the product complies with all applicable current legislation.