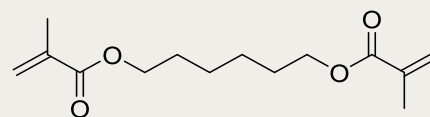


Product Information  
**VISIONER® 1,6-HDDMA**



**1,6-Hexanediol dimethacrylate**

CAS-No.: 6606-59-3

**Quality on supply**

Appearance: clear, colorless to yellowish liquid

Odor: ester-like

**Standard specification**

|                        |                   | Test Method |  |
|------------------------|-------------------|-------------|--|
| Reactive ester content | min. 98.0 %       | M2-85       | (GC)                                     |
| Degree of purity       | min. 93.0 %       | M2-85       | (GC)                                     |
| Acid content           | max. 0.05 %       | M4          | (acid-base titr.,<br>calculated as GMAA) |
| Water content          | max. 0.50 %       | M3          | (according to K. Fischer)                |
| Color                  | max. 100          | M5          | (Pt-Co)                                  |
| Stabilization          | 200 ± 20 ppm MEHQ | M1-1        | (HPLC)                                   |

Following data are not part of the product specification but serve as benchmarks.

### Physical Data

|                       |   |
|-----------------------|---|
| Molecular weight      | 254 g/mol                                   |
| Density               | 0.998 g/cm <sup>3</sup> (20 °C) (DIN 51757) |
| Refractive index      | 1.459 (20 °C)                               |
| Boiling temperature   | app. 190 °C (1,013 hPa), (DIN 53171)        |
| Vapor pressure        | 0,64 hPa (25 °C)                            |
| Solidification point  | 2.11 °C (OECD 102)                          |
| Viscosity (kinematic) | 6.33 mm <sup>2</sup> /s (20 °C) (DIN 51562) |
| Flash point           | 117 °C (ASTM D93/Pensky Martens Closed Cup) |
| Solubility in water   | 23 mg/l (20 °C) (OECD 105) (own study)      |

### Registration

|                  |            |
|------------------|------------|
| REACH            | registered |
| included in TSCA | +          |

### General Hints

For information about health protection and shipment see our Safety Data Sheet

### Application

Hydrophobic crosslinker for photoresists, photopolymer plates and dental compounds.

**Shelf life** of the standard stabilized product: 6 months at max. 30 °C from date of delivery

Ref.-No.: VISIOMER® 1,6-HDDMA / VM 011-e – 05/2018

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\* = registered trademark

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