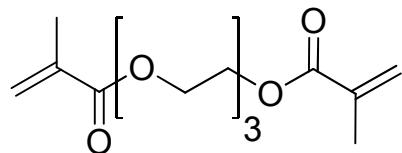


Product Information

VISIONMER® TRGDMA**Triethyleneglycol dimethacrylate**

CAS-No.: 109-16-0

Quality on supply

Appearance clear, colorless to slightly yellowish liquid
Odor ester-like

Standard specification

		Test Method	
Reactive ester content	min. 98.0 %	M2-25	(GC)
Degree of purity	min. 95.0 %	M2-25	(GC)
Acid content	max. 0.02 %	M4	(acid-base titr., calculated as GMAA)
Water content	max. 0.50 %	M3	(according to K. Fischer)
Color	max. 50	M5	(Pt-Co)
Stabilization	100 ± 20 ppm HQME	M1-1	(HPLC)

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

Physical Data

Molecular weight	286.3 g/mol
Density	1.092 g/cm ³ (20 °C)
Refractive index	1.46 at 20 °C
Boiling point	> 250 at 1013 hPa (OECD 103)
Vapor pressure	< 1.3 hPa at 100 °C
Solidification point	- 52 °C
Viscosity	10 mPa·s at 20 °C
Autoignition temperature	255 ° (DIN 5794)
Flash point	150 °C (ASTM D93/Pensky Martens Closed up)
Solubility in water	5 g/l (20 °C)

Registration

REACH	pre-registered
included in TSCA	+

General Hints

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

Application

Crosslinking agent for the free radical polymerization.
Adhesion promoter and hardener for PVC plastisols. Component in reactive adhesives.

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

Ref.-No.: VISIONER® TRGDMA / VM 008-e – 01/2009

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