



Trimethylolpropane trimethacrylate

Data sheet VM 038

VISIOMER® TMPTMA

CAS 3290-92-4

Quality on supply

Appearance: clear to slightly turbid, yellowish liquid

Odor: faintly ester-like

Standard specification

		<i>Roehm method</i>	
Reactive ester content:	min. 98.00 %	M2-35	(GC)
Acid content:	max. 0.050 %	M4	(acid-base titr., calculated as MAAC)
Water content:	max. 0.100 %	M3	(according to K. Fischer)
Color:	max. 100	M5	(Pt-Co)
Stabilization:	200 ± 20 ppm HQME	M1-1	(HPLC)

Technical service
Phone (06151) 18-45 06
(06151) 18-44 38

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

Physical data

Molecular weight:	338.3 g/mol
Density:	1.09 g/cm ³ (20 °C)
Refractive index:	1.473 (20 °C)
Boiling point:	+ 185 °C (5.3 mbar)
Solidification point:	ca. -25 °C
Viscosity:	ca. 64 mPa·s (20 °C)
Flash point:	+ 187 °C (DIN 51584)
Solubility (20 °C):	0.3 % ester in water 0.7 % water in ester

Registration

REACH:	pre-registered
included in TSCA:	+

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

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.
Coagent for peroxide crosslinking of elastomers.

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