

VENLOMER-TMPTA

PRODUCT IDENTIFICATION

- **Chemical Name:** Trimethylolpropane Triacrylate
- **Physical Form:** Clear

VENLOMER-TMPTA is an acrylic acid ester used as a reactive monomer in energy-curable coatings, inks, and overprint varnishes. It contains three polymerizable acrylate groups per molecule; in this way, it can be activated to accelerate the reaction and provide strength and durability..

SPECIFICATION

Properties	Test Methods	Units	Values
Density (25°C)	DIN 51757	g/cm ³	1,102
Boiling Point	DIN EN ISO 3405	°C	126
Specific Heat Capacity (30°C)	DIN EN ISO 3405	kJ/kg.K	1,7
Assay	Gas Chromatography	%	≥ 80
Acidity	DIN EN ISO 2114	%	≤ 0.05
Water Content	DIN 541777	%	≤ 0.05
Hazen/APHA Color Number	DIN ISO 6271	%	≤ 100
Solidification Point	ISO DIS 3841	°C	-22
Refracting index n_D (20°C)	DIN EN ISO 489	-	1,475
Standard Stabilization	-	ppm	150 – 250

APPLICATIONS

VENLOMER-TMPTA is recommended for applications such as:

- Pigment dispersions
- Printing inks for flexographic, gravure, lithographic, digital, or silk-screen applications
- Overprint varnishes for commercial or publication applications
- Interior/exterior general industrial metal coating applications
- Interior/exterior machine or equipment metal coating applications
- Interior/exterior wood coatings for floor, furniture, or millwork applications

PACKAGING & STORAGE

- Packaging: 1 pallet 1200 kg big bag.
- VENLOMER-TMPTA should be stored in a manner that avoids direct exposure to sunlight and heat ($T < 30^\circ\text{C}$). This compound should be used within 6 months after its production date.

IMPORTANT NOTICE

Please read the Material Safety Data Sheet (MSDS) carefully before using this product.

