

BOGIREG™ TMPTA

REACTIVE MONOMER & PROCESS REGULATOR

PRODUCT IDENTIFICATION

Chemical Name: Trimethylolpropane Triacrylate
Physical Form: Clear liquid
CAS Number: -

BOGIREG™ TMPTA is a multifunctional acrylic ester used as a reactive monomer in energy-curable coatings, inks and overprint varnishes. Its three polymerisable acrylate groups support rapid curing and contribute to 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 Colour Number	DIN ISO 6271	-	≤100
Solidification Point	ISO DIS 3841	°C	-22
Refractive Index nD (20°C)	DIN EN ISO 489	-	1.475
Standard Stabilisation	-	ppm	150-250

APPLICATIONS

- Pigment dispersions
- Flexographic, gravure, lithographic, digital and screen-printing inks
- Overprint varnishes
- Industrial metal coatings
- Machine and equipment coatings
- Interior and exterior wood coatings

PACKAGING & STORAGE

- **Packaging:** 1 pallet: 1,200 kg bulk packaging.
- BOGIREG™ TMPTA should be stored away from direct sunlight and heat (T < 30°C). The product should be used within 6 months of its production date.

IMPORTANT NOTICE

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