

Trimethylolpropane molten



Description

- Trimethylolpropane (TMP) molten
- Colourless liquid
- Polyhydric alcohol containing three primary hydroxyl groups

Applications

- Alkyd resins
- Saturated polyesters
- Synthetic lubricants
- Monomers/oligomers for radiation curing
- Pigment coating
- Polyurethanes for coatings and foams

Delivery forms

- Bulk at approx. 100 °C

Storage

- TMP is hygroscopic and should be handled to prevent moisture absorption.
- Store molten TMP at 90-110°C under inert gas.

Sales specification

| | |
|---|-------------|
| Hydroxyl number, mg KOH/g ¹ | 1238-1260* |
| Melting point (final), °C ² | Min. 57 |
| Ash content (as sodium), ppm ³ | Max 10 |
| Water content, % ⁴ | Max 0.10 ** |

*as OH-percentage, 37.5-38.2 %

**from US max 0.05%, from SE, IT & CN max 0.10%

Typical properties

| | |
|--|----|
| Acidity (as formic acid), ppm ⁵ | 5 |
| Colour as fuse, APHA ⁶ | 15 |

Analytical Method

¹ PO100-4, ² PO102-2/PO102-3, ³ PO103-10/PO103-17, ⁴ PO109-2 (**as packaged), ⁵ PO 110-1, ⁶ PO 105-2

Analytical methods are available on request

CAS no.: 77-99-6

EC (EINECS) no.: 201-074-9

HS no.: 2905 41