# ZHEJIANG HEYI CHEMICAL CO., LTD.

Technical Data Sheet | HMT-9604 (MTHPA)

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## Core Product Snapshot

**Product:** MTHPA (Methyl Tetrahydrophthalic Anhydride)

**Grade:** HMT-9604

**CAS / EC:** 11070-44-3 / 234-290-7

**Description:** Liquid, unmodified anhydride curing agent

**Appearance:** Yellow transparent liquid，no impurity

**Packaging:** 25 kg bag; 25 kg plastic drum; 220/240kg drum; 1100/1200 kg IBC; Isotank / bulk on request

## Key Specifications (HMT-9604)

| Item | Specification |
|---|---|
| Appearance | Yellow transparent liquid，no impurity |
| Color (Pt-Co) | ≤ 200# |
| Crystallization point | ≤ -15 °C |
| Acid value | 660.0–680.0 mgKOH/g |
| Anhydride group content | ≥ 41.0 % |
| Viscosity (25 °C) | 30–60 mPa·s |
| Free acid | ≤ 0.3% |
| Heating loss (125 °C, 2 h) | < 1.00 % |
| Flash point | 158 °C |

## Application Fit

**Encapsulation & Insulation：** casting，sealing，impregnation

**Power & High-Voltage Components:** transformers，high voltage capacitors，mutual inductors

**Mechanical/ Composite & Pipe Systems:** automobile parts ，fiberglass irrigation pipes，oil pipes，water filter boxes，insulative bushing，nsulated paint

## Differentiators & Supply

- EU REACH fully registered MTHPA; certificate available upon request.
- High purity, low by-products, consistent batches for critical composite and electrical insulation applications.
- Low hygroscopicity and reduced exotherm during curing, supporting dimensional stability and reliability.
- Documentation pack available: REACH, TDS, SDS, COA (upon request).
- Sample support and formulation guidance for customer qualification.

## Storage & Handling

- Avoid moisture, fire and water; keep in a dry and ventilating place.
- Follow mandatory and recommended industrial hygiene procedures during handling and processing.
- For additional information please consult the corresponding Safety Data Sheet (SDS).

## Compliance Snapshot

EU REACH: Full registration for tetrahydromethylphthalic anhydride (MTHPA),tonnage band 100–1000 t/y;
Management systems: ISO 9001 / ISO 14001 / ISO 45001.

## Typical Uses

The product is a new material for electronical ＆ mechanical products and widely used in casting,sealing, winding, and bonding of electronic components, automobile parts, transformers, high voltage capacitors, mutual inductors, and the impregnation of electronic components,resistors, hybrid integrated circuits. Moreover, it is used for fiberglass irrigation pipes, oil pipes,water filter boxes, insulative bushing, insulated paint and so on.



Specifications subject to CoA. For safe handling, please refer to SDS. Compliance documents available upon request.