

Technical Data Sheet

Dimethyl Terephthalate (DMT) · CAS 120-61-6 · $C_6H_4(COOCH_3)_2$

TECHNICAL DATA SHEET (DRAFT) - Dimethyl Terephthalate (DMT)

Product Description

DMT is a high-purity crystalline ester used for the manufacture of polyesters.

Physical Properties

- Appearance: White Crystalline Flakes
- Boiling Point: 288°C
- Melting Point: 140.6°C
- Specific Gravity: 1.28 (Solid)

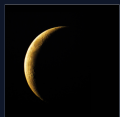
Specifications

Property	Value	Method
Assay (Purity)	≥ 99.90%	GC
Acid Number	≤ 0.03 mg KOH/g	Potentiometric
Color (Hazen, Molten)	≤ 25	APHA
Water Content	≤ 0.05%	Karl Fischer
Ash Content	≤ 10 ppm	Gravimetric
Iron (Fe)	≤ 0.5 ppm	ICP-OES

Handling & Storage

DMT should be stored in a dry environment. In molten form, prevent contact with moisture and oxygen to maintain color stability.

Disclaimer: These values are typical and do not constitute a specification. Refer to the Batch COA for actual data.



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