

Technical Data Sheet

Eastman™ Dimethyl Terephthalate, Molten

Applications

- Consumer electronics
- Packaging components non food contact
- Polymer modification

Product Description



IUPAC: dimethyl-1,4-benzenedicarboxylate

Eastman™ Dimethyl Terephthalate (DMT) is primarily used in the manufacture of polyethylene terephthalate (PET) for fiber, film, container plastics, and specialty plastics applications.

Eastman™ DMT is available as a molten product delivered in truckload quantities.

Typical Properties

Property	Typical Value, Units
General	
Molecular Formula	C ₁₀ H ₁₀ O ₄
Molecular Weight	194.18
Color, Pt-Co Scale	50 max.
Appearance	White (solid) or Clear Liquid (molten)
Odor	Slight
Viscosity @ 150°C (302°F)	3.1 cP
Melting Point	141 °C (286 °F)
Boiling Point ^a	288 °C (550 °F)
Solubility in Water	Negligible
Specific Gravity @ 25°C	1.05
Flash Point Cleveland Open Cup	153 °C (307 °F)
Autoignition Temperature	496 °C (925 °F)
Chemical Inventory Listings	TSCA (USA), DSL, CEPA, EINECS, AICS, NICNAS, MITI

^aSublimes

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