

Diethyl Terephthalate (DOTP) TDS

Re-Plastic Global

TECHNICAL DATA SHEET (TDS)

Diethyl Terephthalate (DOTP)

CAS No.: 6422-86-2

1. Product Introduction

Diethyl Terephthalate (DOTP) is a high-performance, environmentally friendly general-purpose plasticizer widely used in PVC processing. It offers excellent heat resistance, low volatility, and superior electrical insulation properties.

It is mainly used in the production of polyvinyl chloride (PVC) products, and can also be applied in flexible polymers such as cable compounds, films, synthetic leather, and flooring materials.

DOTP plasticized PVC products are widely used in:

- Electric cables and wires
 - Flooring materials
 - Artificial leather
 - Packaging films
 - Automotive interior materials
 - Household PVC products
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2. Product Specification

Item	Index
Appearance	Colorless transparent liquid without visible impurities
Purity	≥ 99.5%
Color (APHA)	≤ 20
Density (20°C), g/cm ³	0.984 – 0.986
Acidity (as terephthalic acid), %	≤ 0.010
Moisture, %	≤ 0.10
Flash Point, °C	≥ 210

3. Packaging

- 200 kg steel drum: 16 MTS / 20GP (without pallet)
- 1000 kg IBC drum: 20 MTS / 20GP
- Flexitank: 23 MTS / 20GP

4. Storage & Handling

Store the product in a cool, dry, and well-ventilated place.

Avoid direct sunlight, rain exposure, and keep away from heat and water sources.

The product is non-flammable and non-explosive under normal conditions.

5. Manufacturer / Supplier Information

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6. Disclaimer

The information provided in this Technical Data Sheet is based on our current knowledge and experience. It is intended to describe the product for general guidance only and does not constitute a guarantee of specific properties.