



## DINGNUO POLYMER TECHNOLOGY GROUP CO., LTD

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### DI-OCTYL TEREPHTHALATE (DOTP)

#### **PROPERTY:**

DOTP is a clear, colorless oily liquid with high stability and solubility in most organic solvents. It is a **phthalate-free C8 plasticizer that aligns with REACH and RoHS regulations**. DOTP exhibits good compatibility with PVC suspension & paste resin. Compared with DOP, it has slightly lower plasticizing efficiency, but offers improved durability, migration resistance, heat resistance, low-temperature flexibility, and lower volatility. DOTP is widely used as a phthalate-free alternative of DOP.

#### **APPLICATION:**

DOTP is primarily used for general-purpose flexible PVC products such as foamed products, shoes, furniture, water pipes, and tapes. Due to its good heat/cold resistance & electrical insulation, DOTP is also selected for **PVC, ABS, PE cable and wire insulation and sheathing**, especially for **UL 70°C-80°C ones**.

DOTP can work with DOP in any ratio. It can also reduce viscosity and improve product durability.

#### **SPECIFICATION:**

Item of Analysis	Unit	Value
Appearance		Transparent oily liquid
Color	Platinum-Cobalt No. $\leq$	25
Total Ester	% $\geq$	99.5
Density	(20°C), g/cm <sup>3</sup>	0.981-0.985
Acidity	mgKOH/g $\leq$	0.02
Flash Point	°C $\geq$	210
Water Content	% $\leq$	0.03
Resistivity Rate	$*10^{10}\Omega\cdot m \geq$	3

#### **PACKING:**

In iron drums, 200kg net weight per drum, total 80 drums (16MT) per 20' FCL, OR

In IBC tank, 1,000kg net weight per tank, total 20 tanks (20MT) per 20' FCL, OR

In flexibag, around 21-23MT per 20' FCL.

#### **STORAGE/TRANSPORTATION:**

If stored in tanks, purge N<sub>2</sub> to prevent moisture absorption.

If stored in drums, keep the container sealed when not in used.