

## TECHNICAL DATA SHEET

**NAME OF COMMODITY:** DI-ISONONYL TEREPHTHALATE

**CAS NO.:** 59802-05-0

**MOLECULAR FORMULA:** C<sub>26</sub>H<sub>42</sub>O<sub>4</sub>

**MOLECULAR WEIGHT:** 419



### SPECIFICATIONS

ITEMS	VALUE
Ester Content %	99.5 Min
Color (Apha)	25 Max
Moisture %	0.05 Max
Heating Loss (122-128°C*3hrs) %	0.1 Max
Acid Value (mgKOH/g)	0.05 MAX
Specific Gravity (20/20°C)	0.974-0.980
Refractive Index (25°C)	1.485-1.491
Volume Resistivity (30°C) Ω-cm	50X10 <sup>11</sup> Min

### PHYSICAL PROPERTIES

ITEMS	VALUE
Boiling point °C	415
Flash point °C	244
Viscosity cps @30°C	65
Freezing point °C	-58

### DESCRIPTION:

DINT is produced by esterifying isononanol and terephthalic acid. It is a Non-phthalate and environmentally friendly plasticizer. It is not listed among the chemical substances restricted by EU countries. DINT has low volatility, low migration, excellent electrical resistivity, cold resistance, and excellent heat resistance.

DINT's migrating rate of migrating is 35-40% lower than DOTP. DINT has low volatility and low fogging, which is used for automotive interior. Its excellent electric resistivity property and excellent heat resistance is also used for high-temperature grade wire and cable plastic products. Other plasticizers can be mixed with DINT to provide a more economical method to improve the processing properties of finished products.

**USAGE:** Wires & Cables. Leather & Clothes. Gloves

Shoes. Construction Materials

Medical Devices. Automotive Interior

PVC Plastics, etc.

**SHELF LIFE:** 12 Months

**PACKING:** 200KG/DRUM , 950KG/IBC, 20MT/ISOTANK