

## TOTM

### (TRIOCTYL TRIMELLITATE)

Scientific name: **Tri Octyl Tri Mellitate**

Molecular formula: **C33H54O6**

Molecular weight: **546.23**

**TRIOCTYL TRIMELLITATE** are used in automobile interiors and other applications where resistance to high temperature is required. Concurrently, it bears the virtue of polyester plasticizers and monomer plasticizers, and is similar to phthalic ester plasticizer in terms of plasticizing.

**TOTM** is the major durable and heat resisting plasticizer ,efficiency and processing behavior.

They have extremely low volatility and is widely used for covering material of vinyl electrical wires as a heat resistant plasticizer (Its electrical property is fine as well) .

About compatibility, plasticizing performance, and low temperature performance, it is better than polyester plasticizer. It is mainly used for the production of heat resisting wire ,cable material, and other durable as heat resisting plank stuff, sheet material, and sealing plate, heat resistant leather, films and Compound.

| ITEM                               | TOTM                     |
|------------------------------------|--------------------------|
| Color(APHA)                        | 40↓                      |
| Specific gravity<br>(20 °C /20 °C) | 0.990± 0.003             |
| Acid value<br>(KOH mg/g)           | 0.10↓                    |
| Ester value                        | 307 ± 3                  |
| Refraction index<br>(nD25)         | 1.484 ± 0.003            |
| Heat loss (wt%)                    | 0.10↓                    |
| Volume resistance<br>(Ωcm, 30°C)   | 4.0 x 10 <sup>11</sup> ↑ |