

UCIC
cables

شركة مصانع الكابلات المتحدة
United Cable Industries Co.

Plasticizers



DOP

Di Octyl
phthalate

DOTP

Di Octyl
terephthalate

Quality is Our Pride

Applications

DOP (Di Octyl Phthalate) is **alight colored, low volatility, odorless** liquid.

DOP is widely used as a plasticizer, good overall performance, and good compatibility with **polyvinyl chloride (PVC)**, synthetic resins, cellulose nitrate and other rubber.

DOP used in all kinds of soft PVC plastics such as films, leather, **wires, cables, rubber, paints**, molded products emulsifier and other industries.

DOP improves resilience of products, reduce the compression deformed, and no effect on the vulcanization of rubber.

DOTP (Di Octyl Terephthalate) is **phthalate free plasticizer** alternative, colorless and low volatility liquid.

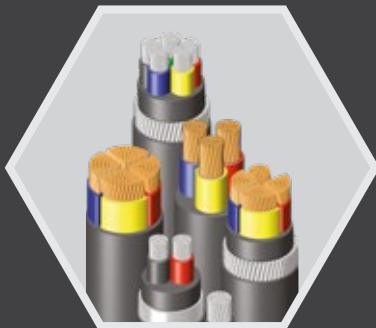
DOTP does not contain **Phthalic acid esters (PAEs)** and it is not in the range of EU and other countries limitation of plasticizer which contains phthalic acid; therefore, DOTP is an **excellent environment protection plasticizer**.

DOTP is also used in all kinds of soft PVC plastics such as films, leather, wires, cables, rubber, paints, molded products emulsifier and other industries.

DOTP used in the paint or coating of advanced **furniture and interior decoration**, high quality lubricant or lubricating additive of precision instrument, nitrocellulose varnish, paper softener, polyester amide biaxial film, plastic film crafts and plasma storage bag.

DOTP used in PVC products of cars can solve the **problem of glass window fog**.

Both DOP & DOTP has high electric & thermal performance, heat resistance, cold resistance, low volatility, resistance to extraction, flexibility and electrical insulation.

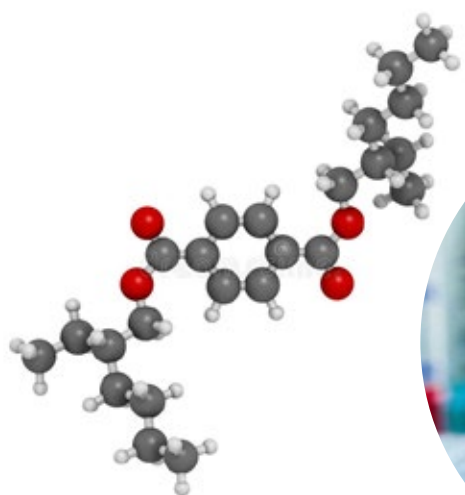


PRODUCT'S SPECIFICATIONS

DOP

DOTP

Chemical Name	Di Octyl phthalate DOP	Di Octyl terephthalate DOTP
Chemical Formula	$C_{24}H_{38}O_4$	$C_{24}H_{38}O_4$
Molecular weight	390,56 g/mol	390,56 g/mol
Appearance	Transparent and liquid	Transparent and liquid
Color	< 30 in hazen scale	< 30 in hazen scale
Acid value, max %	< 0.1	< 0.1
Specific gravity, g/ml (20 °C)	0.982 - 0.986	0.982 - 0.986
Flash point, °C (closed cup)	> 205 °C	> 205 °C
Freezing point, °C	-50 °C	-50 °C
Boiling point, °C(760 mmHg)	400 °C	400 °C
Refractive index, 20 °C	1.484 - 1.488	1.4830 - 1.4890
Viscosity, 20 °C	56 cP	60-65 cP



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