TECHNICAL DATA SHEET

DOTP

DESCRIPTION

DOTP is a clear, colorless liquid, which is insoluble in water. Dioctyl terephthalate is a very important phthalate-free plasticizer for PVC, preferred over low-chain and ortho-phthalate plasticizers as it is considered a safer alternative due to its lower toxicity.

DOTP is used mainly to plasticize vinyl resin where good processing characteristics are needed, and the finished product requires low temperature flexibility and low volatility.

Parameter	Value	Unit
Molecular Weight	390	gr/mol
Acid Value	Max 0.1	mg KOH/g
Color	Max 25	Hazen
Easter Content	Min 99.5	%
Flash Point (Closed Cup)	>210	°C
Refractive Index @ 25°C	1.484 - 1.490	-
Specific Gravity @ 25°/25°C	0.975 - 0.985	-
Viscosity @ 25°C	60 - 65	cP
Water Content	Max 0.1	wt %

Applications

DOTP is a general purpose PVC plasticizer that can be used as a phthalate replacement and it's environmentally safer than most orthophthalate plasticizers.

DOTP is suitable for applications including film & sheet, calendaring, gaskets, O-rings, dip molding, rotational molding, slush molding, injection molding, automotive parts, coated fabrics, flooring, wall Page | 2 coverings, and wire & cable.

Storage and Handling:

DOTP has an almost unlimited shelf life when it is properly stored in closed and dry containers with a temperature of less than 25 C°.

Packing

DOTP is available in drum, tank truck, Flexitank or IBC tank.

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Safety

DOTP requires handling with care and in accordance with good safety practices. Avoid eye contact by wearing protective equipment. If eye contact occurs, wash with flowing water.

Avoid skin contact. Avoid breathing vapors by providing adequate ventilation and wearing mask.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information.

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