

DIOCTYL-PHTHALATE (DOP)

DESCRIPTION

DOP (Diocetyl Phthalate) is a combustible non-toxic colorless oily liquid with slight odor.

TYPICAL PROPERTY VALUES

Revision 20201023

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
PROPERTIES			
Molecular Weight	390,56	g/mol	
Melting / Freezing Point	-46,1	°C	
Vapor Density	16	air = 1	
Vapor Pressure	0,001	kPa [20°C]	
Boiling Point	386	°C	
SPECIFICATIONS			
Color	25 Max	APHA	ASTM D 1209
Acid Value (KOH mg/g)	0.03 Max	KOH mg/g	ASTM D-1045
Volume Resistivity	15x 10exp 11ohm cm	APHA	Advantest
Water	0.05 Max	Wt.%	ASTM E-203-08
Refractive Index (25 OC)	1.485 ± 0.003	-	ASTM D-1045
Specific Gravity (20 OC / 20 OC)	0.986 ± 0.003	-	ASTM D-4052
Heating Loss (125°C x 3hrs)	0.1 Max	Wt.%	ASTM D-2288
Purity by Gas Chromatography	99.5 Min	Wt.%	ASTM D 3465

TOXICITY AND SAFETY

Refer to SDS

STORAGE AND HANDLING

Refer to SDS

APPLICATIONS

Plasticizers for

- Cables and wires.
- Building and construction for cladding and roof membranes.
- PVC pipes and flooring.
- Others such as hoses, shoe soles sealings industrial doors, swimming pool covers , shower curtains, roofing materials, water beds, furniture and disposable gloves.

KEYWORDS

Cables and wires.

Building and construction

PVC pipes and flooring.

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