



## KANATOL - 400 (M)

### DI-BUTYL PHTHALATE

#### Primary plasticizers for PVC and PVC copolymers

#### Chemical Nature Phthalic acid ester of butanols mixture

Chemical Name	:- Dibutyl phthalate
Trade Name	:- DBP(M)
Molecular Formula	:- Proprietary
Molecular Weight	:- 278
Molecular Structure	:- Proprietary
CAS No.	:- Proprietary
UN No.	:- Not Applicable
EINECS No.	:- Proprietary

Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-2008	20 max.
	Volatile Loss (110°C/2Hrs)	Wt. %	KLJ-TM-P-11-92	0.10 max.
	Ester Value	mg KOH/g	ASTM-D-1045-2008	376-394
	Acidity	Wt. %	ASTM-D-1045-2008	0.01 max.
	Moisture	Wt. %	ASTM-E-203-2008	0.10 max.
	Specific Gravity (27°C)	---	ASTM-D-1045-2008	1.030-1.041
	Ester content	Wt. %	ASTM-D-1045-2008	99.50 min.
	Heat Stability (150°C/2Hrs)	HU	ISI-9591-2013	No change
	Acidity after heat treatment	Wt. %	ISI-9591-2013	0.03
	Plasticizing Esters by GC	Area %	KLJ-TM-P-12-98	99.50 min.
	Residual Alcohol	Area %	KLJ-TM-P-12-98	0.05 Max.

#### Typical Properties

Boiling Point	°C	---	346 ± 3
Viscosity at 20°C	cp	KLJ-TM-P-13-97	23 ± 2
Flash Point	°C	KLJTM	189
Refractive Index (27°C)	--	ASTM-D-1045-2008	1.489-1.495

#### Total Solution in Plasticizers

# KLJ Group

Trust built on performance



## KANATOL - 400 (M)

### Properties

DBP(M) is almost colourless, odourless or slight aromatic, ester odour oily liquid, free of foreign materials insoluble in water but miscible in organic solvents.

### Application

It is an excellent low cost plasticizer for cellulose nitrate. It resembles DBP but has a lower specific gravity and lower freezing point. DBP(M) is used effectively in protective coatings based on cellulose acetate, ethyl cellulose and vinyl polymers etc.

**Plasticizing efficiency** 0.86

**Compatibility with Secondary Plasticizers** Good in comparison of DIBP

**Packing & Storage** DBP(M) is packed in 200/225 kg iron drum/ HDPE drum, 20–22 fcl flexi tank or in road tanker. It is stored in tightly closed container, in a cool, dry and ventilated area.

**Shelf Life** It keeps the original characteristics minimum for 24 months, if kept in recommended storage

**Safety** The MSDS can be provided on request.

**Disclaimer** The data contained in this publication are based on our current knowledge and experience. During processing, there are so many factors which may affect the application part of DBP(M), so these data neither imply any guarantee of certain properties, nor the suitability of the product for the specific purpose. Any data given in this publication may change without prior information and do not constitute the agreed quality of our product

**Total Solution in Plasticizers**