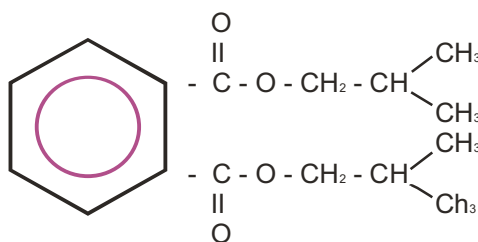


KANATOL - 400 (I)

DI ISO BUTYL PHTHALATE (DIBP)

Primary plasticizer for PVC and PVC copolymers

Chemical Nature	Phthalic acid ester of Iso butyl alcohol
Chemical Name	:- DI Iso Butyl Phthalate
Trade Name	:- DIBP
Molecular Formula	:- C ₁₆ H ₂₂ O ₄
Molecular Weight	:- 278
Molecular Structure	:- C ₆ H ₄ CO ₂ [CH ₂ CH(CH ₃) ₂] ₂



CAS Number	:-	84-69-5
UN. NO	:-	3082
EINECS NO	:-	201-553-2

Specification

Characteristics	Unit	Test Method	Value
Colour	HU	ASTM-D-1045-86	20 max.
Volatile Loss (110°C/2Hrs)	wt. %	KLJTM	0.10max.
Ester Value	mg KOH/g	ASTM-D-1045-86	399 – 405
Acidity	wt. %	ASTM-D-1045-86	0.010 max.
Moisture	wt. %	ASTM-E-203	0.10 max.
Specific Gravity (27°C)	-	ASTM-D-1045-86	1.030 – 1.040
Ester content	wt. %	ASTM-D-1045-86	99.50min.
Heat Stability (150°C/2Hrs)	HU	ISI-9591-96	No Change
Acidity after heat treatment	wt. %	ASTM-D-1045-86	0.03
Plasticizing Esters by GC	by area	KLJTM	99.50min.
Residual alcohol	%by area	KLJTM	0.05 max..

Typical Properties

Boiling Point	°C	lit.	327
Viscosity at 20°C	cp	KLJTM	34.5 ± 1.5
Flash Point	°C	KLJTM	185
Refractive Index (27°C)	-	ASTM-D-1045-86	1.486 – 1.495

Total Solution in Plasticizers



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Properties

DIBP is almost colourless, odourless or slight aromatic, ester odour oily liquid, free of foreign materials.

Application

It is an excellent low cost plasticizer for cellulose nitrate.

It resembles DBP but has a lower specific gravity and lower freezing point.

DIBP is used effectively in protective coatings based on cellulose acetate, ethyl cellulose, vinyl polymers etc.

DIBP is an effective plasticizer for polyvinyl acetate emulsion paints and its versatility is one of the prime benefit offered by it in the processing and applications of nitrite rubbers.

Under the food and Additives Regulations , DIBP may lawfully be used in food packaging as an adhesive constituent.

In manufacturing of footwear & hose pipes.

Packing & Storage

DIBP is packed in 200/225 kg iron drum / HDPE drum, 20 - 22 MT in Flexi tank / ISO tank / road tanker. It is stored in tightly closed container, in a cool, dry

Shelf Life

Original characteristics remain intact 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 DIBP, 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 donot constitute the agreed quality of our product.