



## KANATOL 1058

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#### Primary plasticizer for PVC and PVC copolymers

**Chemical nature** Phthalic acid esters of 2-Propyl 3 methylhexyl and Amyl alcohols

Trade Name	:-	KANATOL- 1058
Ave. Molecular Formula	:-	C <sub>26</sub> H <sub>42</sub> O <sub>4</sub>
Ave. Molecular weight	:-	418
CAS Number	:-	NA
UN. NO.	:-	NA
EINECS NO.	:-	NA

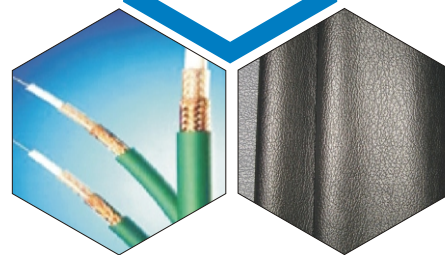
Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-86	20 max.
	Volatile Loss ( 130°C/3Hrs)	wt. %	KLJTM	0.10max
	Ester Value	mg KOH/g	ASTM-D-1045-86	265-270
	Acidity	wt. %	ASTM-D-1045-86	0.010 max.
	Moisture	wt. %	ASTM-E-203	0.10 max.
	Specific Gravity (27°C)	-	ASTM-D-1045-86	0.970- 0.976
	Ester content	wt. %	ASTM-D-1045-86	99.50min.
	Heat Stability (180°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	0.10 max..

#### Typical Properties

Volume Resistivity	Ohmcm	KLJTM	2.0 ± 0.3 X 10 <sup>11</sup>
Boiling Point @ 7 mbar	°C	lit.	250
Pour Point	°C	lit.	- 48
Viscosity at 20°C	cp	KLJTM	89 ± 3
Flash Point (COC)	°C	KLJTM	around 215
Refractive Index (27°C)	-	ASTM-D-1045-86	1.484 - 1.489

#### Properties

**KANATOL -1058** is almost colourless and odourless oily liquid, free of foreign materials which is, slightly soluble in water (0.30mg/L at 24°C) but soluble in alcohols, hexane etc. and is miscible and compatible with all the monomeric plasticizers.



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### Application

**KANATOL-1058** is used in PVC as a plasticizer. It's all the applications are similar to DINP. It is been used in the production of polymers other than PVC (e.g. rubbers).

**K-1058** used in non-polymer application including anticorrosion paints, anti-fouling paints, lacquers, inks, adhesives and sealants.

**K-1058** is mixed monomeric primary plasticizers of medium molecular weight and having fine performance. It has been developed to fulfill the need for an economical plasticizer in formulation, where very low volatility and good permanence characteristics are required. This product finds very useful application in vinylic compounds including wires, cables and plastisols.

**Plasticizing Efficiency** 1.06

### Compatibility with Secondary Plasticizers

Good in comparison of DINP.

### Packing & Storage

**KANATOL-1058** is packed in 200/225 kg iron drum / HDPE drum, 20 - 22 fcl Flexitank or in road tanker. It is stored in tightly closed container, in a cool, dry, 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 **KANATOL-1058**, 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 product.