



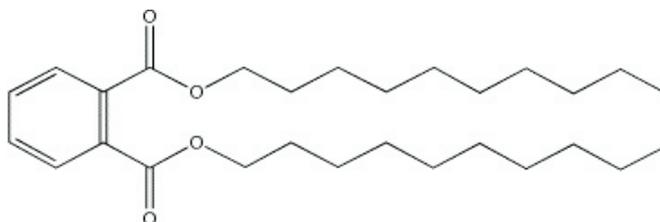
KANATOL - 1000L

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Primary plasticizer for PVC and PVC copolymers

Chemical Nature

Benzenedicarboxylic acid ester of C₁₀ alcohol
 Chemical Name :- 1,2 Benzenedicarboxylic acid, di Carpic ester
 Trade Name :- KANATOL - 1000L
 Molecular Formula :- C₂₈H₄₆O₄
 Molecular Weight :- 446.66
 Molecular Structure :- C₆H₄ [COO(CH₂)₉CH₃]₂



CAS Number :- 84-77-5
 UN. NO :-
 EINECS NO :- 201-561-6

Specification

Characteristics

Unit

Test Method

Value

Colour	HU	ASTM-D-1045-86	20 max.
Volatile Loss (130°C/3 Hrs)	wt. %	KLJTM	0.10 max.
Ester Value	mg KOH/g	ASTM-D-1045-86	249-254.
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	0.957 – 0.961.
Ester content	wt. %	ASTM-D-1045-86	99.50 min.
Heat Stability (180°C/2 Hrs)	HU	ISI-9591-96	No Change
Acidity after heat treatment	wt. %	ASTM-D-1045-86	0.02.
Plasticizing Esters by GC	%by area	KLJTM	99.50 min.
Residual alcohol	%by area	KLJTM	0.10 min.

Typical Properties

Volume Resistivity	Ohmcm	KLJTM	1.13 ± 1.0 X 10 ¹¹
Boiling Point	°C	5mm Hg	261.
Pour point	°C	lit.	N.A.
Viscosity at 20°C	cp	KLJTM	60 ± 3
Flash Point (COC)	°C	KLJTM	>230
Refractive Index (27°C)	-	ASTM-D-1045-86	1.479-1.484

Total Solution in Plasticizers



KANATOL - 1000L

Properties

K-1000L is almost colourless and odourless oily liquid, free of foreign materials.

K-1000L is a primary monomeric plasticizer with Linear character for Vinyl homo and Copolymers resins .It is, slightly insoluble in water but soluble in alcohols, hexane etc. and is miscible and compatible with all the monomeric plasticizers of PVC compounding.

Application

K-1000L is having lower volatile character than DIDP and suggested for the applications, where High stability is required at high and low temperature alongwith good electrical properties.

K-1000L imparts desirable properties in vinyl applications, like Leathers, electrical wires and cables, PVC sheets, respective extrusion products etc.

K-1000L is often a good substitute of DIDP for availing better processability and is a speciality plasticizer that offers Permanence, good extraction resistance, superior high temperature performance.

Plasticizing Efficiency 1.11

Compatibility with Secondary Plasticizers N.A.

Packing & Storage **K-1000L** is packed in 200/225 kg iron drum / HDPE drum, 20 - 22 MT Flexi tank / ISO tank / road tanker. It is stored in tightly closed container, in a cool, dry, ventilated area.

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 **K-1000L**, 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.

Total Solution in Plasticizers