

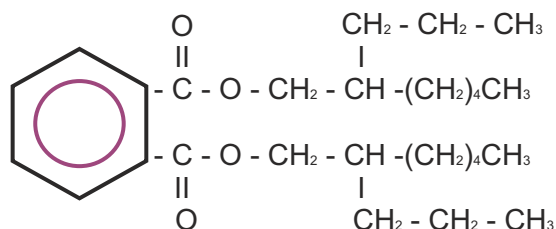


KANATOL - 1010

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Primary plasticizer for PVC and PVC copolymers

Chemical Nature	Phthalic acid esters of C ₁₀ alcohols		
Chemical Name	:-	Di (2-Propylheptyl) Phthalate	
Trade Name	:-	KANATOL- 1010	
Molecular Formula	:-	C ₂₈ H ₄₆ O ₄	
Molecular Weight	:-	446	
Molecular Structure	:-	C ₆ H ₄ (COOC ₁₀ H ₂₁) ₂	



CAS Number	:-	53306-54-0
UN. NO	:-	
EINECS NO	:-	258-469-4

Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-86	20 max.
	Volatile Loss (130°C/3Hrs)	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	0.957–0.965
	Ester content	wt.%	ASTM-D-1045-86	99.50 min.
	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	99.50 min.
	Residual alcohol	%by area	KLJTM	0.10 max.

Typical Properties

Volume Resistivity	Ohmcm	KLJTM	5.5±1.0X10 ¹¹
Boiling Point @ 7 mbar	°C	lit.	251-254.
Pour point	°C	lit.	-48.
Viscosity at 20°C	cp	KLJTM	120-124.
Flash Point	°C	KLJTM	232.
Refractive Index (27 °C)	-	ASTM-D-1045-86	1.483-1.486.

Total Solution in Plasticizers



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Properties

KANATOL-1010 is a clear, colourless, and odourless liquid, free of foreign materials. It is soluble in most organic solvent. **KANATOL-1010** is almost insoluble in water.

Application

KANATOL - 1010 is quite suitable for higher temperature application such as wire & cable and automotive interior trim. **KANATOL-1010** excellent weathering behavior makes, it a good choice for outdoor application such as roofing membranes and tarpaulins.

Plasticizing Efficiency

1.10

Compatibility with Secondary Plasticizers

Very limited in comparison of DOP.

Packing & Storage

KANATOL-1010 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, 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-1010**, 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.

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