



KANATOL 1056

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Primary plasticizer for PVC and PVC copolymers

Chemical Nature Phthalic acid esters of isomeric C₈ alcohol
 Trade Name :- KANATOL- 1056
 Molecular Formula :- C₂₃H₃₆O₄
 Molecular weight :- 376
 Molecular Structure :- C₅H₁₁- CO₂- C₆H₄- CO₂- C₁₀H₂₁

Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-86	20 max.
	Volatile Loss (130°C/3Hrs)	wt. %	KLJTM	0.15 max
	Ester Value	mg KOH/g	ASTM-D-1045-86	280-290
	Acidity	wt. %	ASTM-D-1045-86	0.01 max.
	Moisture	wt. %	ASTM-E-203	0.10 max.
	Specific Gravity (27°C)	-	ASTM-D-1045-86	0.980- 0.986
	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

Viscosity at 20°C	cp	KLJTM	74 ± 3
Flash Point (COC)	°C	KLJTM	192
Refractive Index (27°C)	-	ASTM-D-1045-86	1.482 - 1.488

Properties

KANATOL -1056 is almost colourless and odourless oily liquid, free of foreign materials which 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

As **KANATOL – 1056** is a plasticizer of mixed C-8 isomeric alcohols. It has **Good shell structure like DBP and Permanence like DOP** as hybride nature of both higher & lower plasticizer efficiency . **KANATOL-1056** very closely resembles with DOP in chemical properties and application. It is used as plasticizer in PVC resins for fabricating flexible vinyl products like:- vinyl upholstery, tablecloth, shoes, garden hoses, swimming pool liners, cable coating, in order of importance.

Total Solution in Polymer compounds



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Plasticizing Efficiency	1.00
Compatibility with Secondary Plasticizers	Good in comparison of DOP.
Packing & Storage	KANATOL-1056 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-1056 , 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.