

KLJ Group

Trust built on performance



KANATOL - 9020



Kanatol - 9020

Chemical Nature Phthalate free ester

Trade Name	: Kanatol-9020
Molecular Formula	: Proprietary
Molecular Weight	: 390.1 g/mole
CAS No.	: 59802-05-0 (70-85%)
CAS No.	: Proprietary esters (15-30%)
UN No.	: Not Applicable
EINECS No.	: 700-453-0 (70-85%)
EINECS No.	: Proprietary esters (15-30%)

Specification	Characteristics	Unit	Test Method	Value
	Colour	HU APHA	ASTM-D-1045-2008	Max. 20
	Volatile loss (130°C/3h)	Wt. %	KLJ-TM-P-11-92	Max. 0.30
	Ester Value	mg KOH g	ASTM-D-1045-2008	280-286
	Acidity	Wt. %	ASTM-D-1045-2008	Max. 0.010
	Moisture	Wt. %	ASTM-E-203-2008	Max. 0.10
	Specific Gravity at 27 °C	---	ASTM-D-1045-2008	0.983 ± 0.003
	Heat stability (180°C/2h)	HU APHA	ISI – 9591 – 2003	No change
	Plasticizing esters by GLC	area %	KLJ-TM-P-12-98	Min. 99.50

Typical Properties

Refractive index at 27 °C	---	ASTM-D-1045-2008	1.488 ± 0.003
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Total Solution in Plasticizers



KANATOL-9020

Properties

Kanatul-9020 is transparent liquid with stability and soluble in most of organics solvent. This product is a primary plasticizer with fine performances. Most preferable Plasticizer, to be used in PVC Extrusion, cellulose nitrate, ethyl cellulose and synthetic rubber.

Application

Easily dissolved with PVC, as its volatility, migration and non-toxicity are superior to DOP. It can present products with good light resistance, heat resistance, degradation resistance and electrical insulation. Finds applications as Non-Carcinogen plasticizer in Shoe Compound, toy film, vinyl gloves, wall covering, vinyl flooring, carpet & novelties and synthetic rubber, wires and cables owing to its excellent properties of water fastness, low toxicity, degradation resistance and electrical insulation than DOP.

It has lower flexibility cause of its structure and this decrease plastics fragile of lower heat. Good Fusion behavior as compared to traditional esters –DOP/DINP with low Specific Gravity and Volatile loss, imparting better Elongation characteristics of finished Goods.

It can replace DINP, DIDP due to lower volatile character. Preferable plasticizer for producing cable with excellent electrical properties.

Plasticizing Efficiency

1.02

Compatibility with Secondary Plasticizers

Not compatible with secondary plasticizers.

Packing & Storage

K-9020 is packed in 200/225 kg iron drum/ HDPE drum, 20–22 fcl flexi tank or in road tanker. It should be stored in a cool, dry and 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 **K-9020**, 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.

[Total Solution in Plasticizers](#)