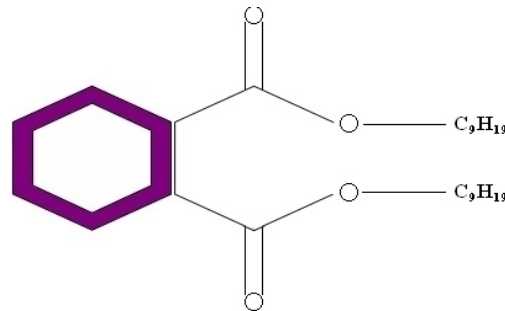




KANATOL - 9060

DI ISO NONYL CLYCLOHEXANOATE Primary plasticizer for PVC and PVC copolymers

Chemical Nature	Chemical name	:-	1,2 Cyclohexane dicarboxylic acid, di isononyl ester
	Trade Name	:-	KANATOL-9060
	Molecular Formula	:-	$C_{26}H_{48}O_4$
	Molecular weight	:-	424
	Molecular Structure	:-	$C_6H_{10}(COOC_9H_{19})_2$



CAS Number	:-	166412-78-8
UN. NO	:-	
EINECS NO.	:-	431-890-2

Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-86	40 max.
	Volatile Loss (130°C/3Hrs)	wt. %	KLJTM	0.20 max.
	Ester Value	mg KOH/g	ASTM-D-1045-86	265 ± 3.
	Acidity	wt. %	ASTM-D-1045-86	0.020 max.
	Moisture	wt. %	ASTM-E-203	0.10 max.
	Specific Gravity (27°C)	-	ASTM-D-1045-86	0.950 ± 0.005.
	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	NA.
	Plasticizing Esters by GC	% by area	KLJTM	99.50 min.

Typical Properties

Boiling Point @ 7 mbar ,	°C	lit.	240 - 250.
Pour point	°C	lit.	-54.
Viscosity at 20°C	cp	KLJTM	50 ± 6.
Flash Point (COC)	°C	KLJTM	224.
Volume Resistivity	Ohmcm	KLJTM	$2 \pm 0.2 \times 10^{11}$
Refractive Index (27°C)	-	ASTM-D-1045-86	1.462-1.465.

Total Solution in Plasticizers

KLJ Group

Trust built on performance



KANATOL - 9060

Properties

K-9060 is a clear, colorless plasticizer and is developed for use in applications, That is particularly sensitive based on exposure and toxicological issues. It is recommended for use in medical products, toys, and food packaging applications.

Application

K-9060 is suitable for use with PVC and other polar polymers. It is compatible with all monomeric plasticizers commonly used in PVC. In most cases, only minor formulation and processing parameter adjustments are required to process flexible PVC compounds. Compared to DOP and DINP, K-9060 offers improved low temperature performance. In plastisol applications it offers lower initial viscosity and better viscosity stability.

Plasticizing Efficiency 1.09

Packing & Storage

K-9060 is packed in 200/225 kg iron drum / HDPE drum, 20 - 22 FCL flexi tank 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 **K-9060**, 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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