



KANATOL - B 40

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Bio plasticizer for PVC and PVC copolymers

Chemical Nature

Bio ester of various vegetable Fats

Chemical name :- KANATOL - B 40

Trade Name :- KANATOL - B 40

Molecular Formula :- N.A.

Molecular weight :- N.A.

Molecular Structure :- N.A.

UN. NO :-

EINECS NO. :-

Specification

Characteristics

Unit

Test Method

Value

Colour	HU	ASTM-D-1045-08	40 max.
Volatile Loss (130°C/ 3Hrs)	wt.%	KLJTM	0.30 max.
Ester Value	mg KOH/g	ASTM-D-1045-08	184-190
Moisture	wt.%	ASTM-E-203-08	0.15 max.
Acid Value	Mg KOH/g	ASTM-D-1045-08	2.00 max.
Specific Gravity (27°C)	-	ASTM-D-1045-08	0.910-0.940
Ester content	wt.%	ASTM-D-1045-08	99.90 min.
Heat Stability (180°C/ 2Hrs)	HU	ISI-9591-03	100 HU
Acidity after heat treatment	mg KOH/g	ISI-9591-03	4.00
Plasticizing Esters by GC	%by area	KLJTM	99.90 min.
Residual alcohol	%by area	KLJTM	0.10 max..

Typical properties

Freezing Point	°C	lit	> -10.
Viscosity at 20°C	cp	KLJTM	15 ± 3.
Flash Point (COC)	°C	KLJTM	>175.
Refractive Index (27°C)	-	ASTM-D-1045-08	1.450-1.456

KLJ Group

Trust built on performance



KANATOL - B 40



Properties

K- B 40 is a Bio ester, is clear liquid with stable properties and very low viscosity. It is slight soluble in water and very soluble in polymers.

Application

K- B 40 can be used to replace DOP and ESBO in PVC production. **K- B 40** belongs to Green/ Eco/ Safe Plasticizers segment, though high in potential, it has good plasticity and stability. It will just make the product as soft and stable as required. It can be used in PVC production is the same as the way ESBO is been used. It also has to be blended evenly with DOP. Replacing **K- B40** with ESBO, percentage of **K-B 40** can be increased and percentage of DOP can be decreased. **K-B 40** can partly replace DOP with lower cost and same stability, plasticity, better lubricity and compatibility as compared to ESBO.

Example: **K- B 40** can replace 20-30% apply in PVC leatheroid, PVC film, sheathing compounds, Shoe compounds, soft toy and pipe. According to softness & hardness of PVC articles.

Plasticizing Efficiency

N.A.

Compatibility with Secondary Plasticizers

Limited in comparison of DOP.

Packing & Storage

K-B 40 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, isolated from incompatible substance.

Shelf life

Original characteristics remain intact for 6 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-B 40**, 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