

KLJ Group

Trust built on performance

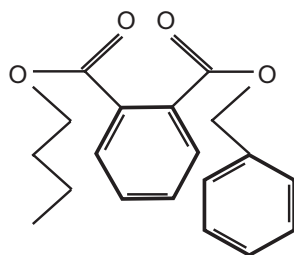


KANATOL - 4060

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Primary plasticizer for PVC and PVC copolymers

Chemical Nature	Phthalic acid ester of Butanol and Benzyl alcohol
Chemical Name :-	Butyl Benzyl Phthalate
Trade Name :-	KANATOL- 4060
Molecular Formula :-	$C_{19}H_{20}O_4$
Molecular Weight :-	312
Molecular Structure :-	$C_4H_9COOC_6H_4COOCH_2C_6H_5$



CAS Number :-	85-68-7
UN. NO :-	3082
EINECS NO :-	201-622-7

Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-86	40 max.
	Volatile Loss (110°C/2 Hrs)	wt. %	KLJTM	0.10 max.
	Ester Value	mg KOH/g	ASTM-D-1045-86	344-356
	Acidity	wt. %	ASTM-D-1045-86	0.032 max.
	Moisture	wt. %	ASTM-E-203	0.12 max.
	Specific Gravity (27°C)	-	ASTM-D-1045-86	1.115–1.121
	Ester content	wt. %	ASTM-D-1045-86	98.00 min.
	Heat Stability (150°C/2 Hrs)	HU	ISI-9591-96	No Change.
	Acidity after heat treatment	wt. %	ASTM-D-1045-86	0.10.
	Plasticizing Esters by GC	% by area	KLJTM	99.00 min.

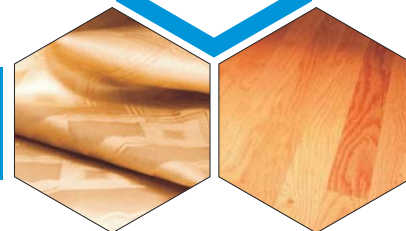
Typical Properties

Boiling Point @ 7 mbar	°C	lit.	370.
Pour point	°C	lit.	-1.
Viscosity at (20°C)	cp	KLJTM	21-25.
Flash Point	°C	KLJTM	199.
Refractive Index (27°C)	-	ASTM-D-1045-86	1.519–1.524.

[Total Solution in Plasticizers](#)



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Properties

KANATOL-4060 is a clear, colourless, with mild odour.

Application

than 90% of Kanatol-4060 is used for plasticizing PVC or other polymers. Plasticizers are in general high boiling point compounds that, when incorporated into a polymer, cause a greater flexibility and workability of the material.

One of the manufacturing benefits of using Kanatol-4060 is that it allows PVC transformers to operate with less energy input than with many similar plasticizers.

The Kanatol-4060 plasticized polymeric material has consumer and industrial uses such as flooring, sealants, and coatings.

It is used widely by the flooring industry because it adds surface properties to flooring materials that minimise maintenance and give it a prolonged life.

Packing & Storage

KANATOL- 4060 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

Original characteristics remain intact 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- 4060**, 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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