



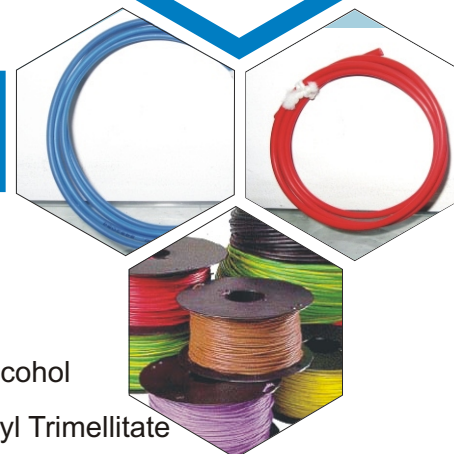
8-10 TML

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Primary plasticizer for PVC and PVC copolymers

Chemical Nature Trimellitic anhydride acid esters of C8 & C10 alcohol

Chemical Name	:-	Bis-(Capric), Capryl Trimellitate
Trade Name	:-	8-10 TML
Molecular Formula	:-	C ₃₇ H ₆₂ O ₆
Molecular Weight	:-	602.4
Molecular Structure	:-	NA



Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-86	100 max.
	Volatile Loss (130°C/3 Hrs)	wt. %	KLJTM	0.10 max.
	Ester Value	mg KOH/g	ASTM-D-1045-86	275-285.
	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	0.974 – 0.980.
	Ester content	wt. %	ASTM-D-1045-86	99.00 min.
	Heat Stability (180°C/2 Hrs)	HU	ISI-9591-96	No Change
	Acidity after heat treatment	wt. %	ASTM-D-1045-86	0.02.
	Plasticizing Esters by GC	%by area	KLJTM	99.00 min.
	Residual Alcohol	%by area	KLJTM	0.10 max.

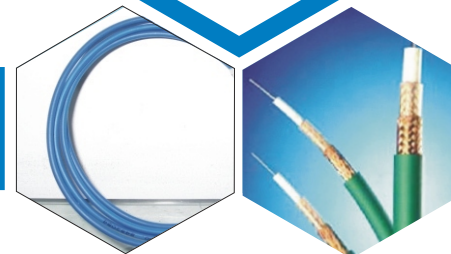
Typical Properties

Volume Resistivity	Ohmcm	KLJTM	3.5 ± 4.5 X 10 ¹¹
Viscosity at 20°C	cp	KLJTM	110 ± 5.
Flash Point (COC)	°C	KLJTM	249.
Refractive Index (27°C)	-	ASTM-D-1045-86	1.4845-1.4855

Total Solution in Plasticizers

KLJ Group

Trust built on performance



8-10 TML

Properties

8-10 TML is almost colourless and odourless oily liquid, free of foreign materials.

8-10 TML is a primary monomeric plasticizer with Linear character for Vinyl homo and Copolymers resins .It 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

8-10 TML is having absolute linear character and suggested for the applications, where extreme low volatility alongwith excellent electrical properties are required.

8-10 TML imparts desirable properties in vinyl applications, such as good Plasticizer/Principal raw material compatibility, low volatility, resistance to extraction by soapy water and excellent electrical properties.

8-10 TML is often a good substitute for polyester polymeric plasticizers for Processability enhancement and is a speciality plasticizer that offers Permanence, good extraction resistance, superior high temperature performance.

Plasticizing Efficiency 1.08

Compaibility with Secondary Plasticizers N.A.

Packing & Storage **8-10 TML** is packed in 200/225 kg iron drum / HDPE drum, 20 - 22 fcl flexitanks or in 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 **8-10 TML**, 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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