



KANATOL - 1210

KANATOL - 1210 Primary plasticizer for PVC and PVC copolymers

Chemical Nature Phthalic acid esters of C₁₀ & C₁₂ alcohols

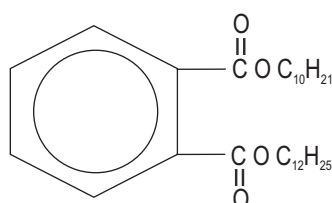
Chemical Name :- 1,2-Benzenedicarboxylic acid-di C10/C12 alkyl ester

Trade Name :- KANATOL - 1210

Molecular Formula :- C₃₀H₅₀O₄

Molecular Weight :- 474

Molecular Structure :- C₆H₄(C₁₀H₂₁ C₁₂H₂₅)



CAS Number :- 90193-92-3

UN. NO. :-

EINECS NO. :- NA

Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-86	80 HU max.
	Volatile Loss (130°C/3Hrs)	wt.%	KLJTM	0.10max.
	Ester Value	mg KOH/g	ASTM-D-1045-86	233-239
	Acidity	wt.%	ASTM-D-1045-86	0.010 max.
	Moisture	wt.%	ASTM-E-203	0.10 max.
	Specific Gravity (27°C)	-	ASTM-D-1045-86	0.949-0.955
	Ester content	wt.%	ASTM-D-1045-86	99.50min.
	Heat Stability (180°C/2Hrs)	HU	ISI-9591-96	No Change
	Acidity after heat treatment	wt.%	ASTM-D-1045-86	0.03
	Plasticizing Esters by GC	%by area	KLJTM	99.50min.
	Residual alcohol	%by area	KLJTM	0.10 max..
	R.I. at 27°C			1.479-1.484

Total Solution in Plasticizers



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Properties

K-1210 is transparent liquid with very high stability and is soluble in most organics solvent. **K-1210** is a long chain aliphatic plasticizer, having least migration and least volatile loss. It can lubricate itself, cause of structural characteristics. Due to lower volatile character, it can be used instead of DIDP & TOTM.

Application

Preferable plasticizer for producing cable with excellent electrical specialties. **K-1210** is a primary plasticizer for soft PVC products and is recommended to be used in high-temperature wire and cable.

Plasticizing Efficiency

N. A.

Compatibility with Secondary Plasticizers

Very limited in comparison of DIDP.

Packing & Storage

K-1210 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-1210**, 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 product.