



World class plants strategically located in India & South East Asia with installed Capacity of over 300,000 tpa & expanding

One Stop Total Solutions provider for all the Plasticizer needs.

COMPLETE RANGE OF PLASTICIZERS

Phthalate | Adipate | Trimellitate | Citrate | Stearate | Benzoate | Sebacate | Maleate | Phosphate | ESBO | Chlorinated Paraffins

PLASTICIZERS (PHTHALATES)

PROPERTIES	GRADE	UNIT	TEST METHOD	KANATOL 1212	KANATOL 1210	KANATOL 1001	KANATOL 1000 L	KANATOL 1010	KANATOL 900	KANATOL 800 FG	KANATOL 800
				DI-DO-DECYL PHTHALATE	DI-UN-DECYL PHTHALATE	DI-ISO-DECYL PHTHALATE	DI-DECYL PHTHALATE (LINEAR)	BIS-2 PROPYL HEPTYL PHTHALATE	DI-ISO-NONYL PHTHALATE	DI-2-ETHYL HEXYL PHTHALATE (FG)	DI-2-ETHYL HEXYL PHTHALATE
Appearance			Visual	Water White Clear Liquid							
Colour (Max.)	Hazen	ASTM-D-1045-08	40	50	20	20	20	20	20	15	20
Specific Gravity at 27°C	N/A	ASTM-D-1045-08	0.942 ± 0.003	0.952 ± 0.003	0.963 ± 0.003	0.959 ± 0.003	0.961 ± 0.003	0.973 ± 0.003	0.983 ± 0.003	0.983 ± 0.003	0.983 ± 0.003
Refractive Index at 27°C	N/A	ASTM-D-1045-08	1.480 ± 0.003	1.482 ± 0.003	1.485 ± 0.003	1.486 ± 0.003	1.485 ± 0.003	1.486 ± 0.003	1.486 ± 0.003	1.486 ± 0.003	1.486 ± 0.003
Volatile Loss at 130°C for 3 Hrs. (Max.)	% By Mass	KLJ TM-P-11-92	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.05	0.10
Moisture Content (Max.)	% By Mass	ASTM-E-203-08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.05	0.10
Acidity as Acid (Max.)	% By Mass	ASTM-D-1045-08	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.0033	0.01
Acidity after heat treatment at 180°C for 2 Hours (Max.)	% By Mass	ISI-9591-03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.015	0.03
Heat Stability at 180°C for 2 Hrs.	Colour	ISI-9591-03	No Change	No Change	No Change	No Change	No Change	No Change	No Change	No Change	No Change
Heat Stability at 150°C for 2 Hrs.	Colour	ISI-9591-03	—	—	—	—	—	—	—	—	—
Ester Value	mg KOH/gm	ASTM-D-1045-08	223 ± 3	236 ± 3	251 ± 3	251 ± 3	251 ± 3	251 ± 3	267 ± 3	287 ± 3	287 ± 3
Ester Content (Min.)	% By Weight	ASTM-D-1045-08	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9	99.5
Plasticizing Esters By GLC (Min.)	% By Area	KLJ TM-P-12-98	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9	99.5
Viscosity at 20°C	cPs	KLJ TM-P-13-97	N. A.	118 - 124	105 - 111	44 - 50	117 - 123	76 - 82	79 - 85	79 - 85	79 - 85
Boiling Point at Atmospheric Pressure	°C	IS-5298-05	N. A.	N. A.	400	261 at 5 mmHg	251-254 at 7 mmHg	250 at 7 mbar	386	231 at 7 mbar	231 at 7 mbar
Residual/Free Alcohol (Max.)	% By Area	KLJ TM-P-12-98	0.20	0.20	0.10	0.10	0.10	0.10	0.03	0.10	0.10
REACH Compliance	Y/N		Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No

PROPERTIES	GRADE	UNIT	TEST METHOD	KANATOL 1056	KANATOL 7723	KANATOL 7720	KANATOL 400 (M)	KANATOL 400 N	KANATOL 400 I	KANATOL 200	KANATOL 100
							DI-BUTYL PHTHALATE (M)	DI-n-BUTYL PHTHALATE	DI-ISO-BUTYL PHTHALATE	DI-ETHYL PHTHALATE	DI-METHYL PHTHALATE
Appearance			Visual	Water White Clear Liquid							
Colour (Max.)	Hazen	ASTM-D-1045-08	20	50	40	20	20	20	20	20	20
Specific Gravity at 27°C	N/A	ASTM-D-1045-08	0.983 ± 0.003	0.999 ± 0.003	0.958 ± 0.003	1.038 ± 0.003	1.043 ± 0.003	1.038 ± 0.003	1.117 ± 0.003	1.186 ± 0.003	1.186 ± 0.003
Refractive Index at 27°C	N/A	ASTM-D-1045-08	1.486 ± 0.003	1.485 ± 0.003	1.478 ± 0.003	1.492 ± 0.003	1.492 ± 0.003	1.490 ± 0.003	1.500 ± 0.003	1.512 ± 0.003	1.512 ± 0.003
Volatile Loss at 130°C for 3 Hrs. (Max.)	% By Mass	KLJ TM-P-11-92	0.15	0.20	0.20	—	—	—	—	—	—
Volatile Loss at 110°C for 2 Hrs. (Max.)	% By Mass	KLJ TM-P-11-92	—	—	—	0.10	0.10	0.10	0.20 (for 1 Hr)	0.50 (for 1 Hr)	0.50 (for 1 Hr)
Moisture Content (Max.)	% By Mass	ASTM-E-203-08	0.10	0.20	0.10	0.10	0.10	0.10	0.20	0.20	0.20
Acidity as Acid (Max.)	% By Mass	ASTM-D-1045-08	0.01	0.21 (AV)	0.03 (AV)	0.01	0.01	0.01	0.01	0.015	0.02
Acidity after heat treatment at 180°C for 2 Hours (Max.)	% By Mass	ISI-9591-03	0.03	0.31 (AV)	0.05 (AV)	0.03	0.03	0.03	0.05	0.05	0.05
Heat Stability at 180°C for 2 Hrs.	Colour	ISI-9591-03	No Change	No Change (30 Minutes)	50 Hu.	—	—	—	—	—	—
Heat Stability at 150°C for 2 Hrs.	Colour	ISI-9591-03	—	—	—	No Change	No Change	No Change	35 Hu.	35 Hu.	35 Hu.
Ester Value	mg KOH/gm	ASTM-D-1045-08	287 ± 3	305 ± 3	270 ± 3	385 ± 8	404 ± 3	402 ± 3	503 ± 3	575 ± 3	575 ± 3
Ester Content (Min.)	% By Weight	ASTM-D-1045-08	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
Plasticizing Esters By GLC (Min.)	% By Area	KLJ TM-P-12-98	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
Viscosity at 20°C	cPs	KLJ TM-P-13-97	71 - 77	67 - 73	29 - 35	20 - 26	18 - 24	32 - 38	9 - 15	13 - 18	13 - 18
Boiling Point at Atmospheric Pressure	°C	IS-5298-05	N. A.	N. A.	N. A.	—	340	327	298	282	282
Residual/Free Alcohol (Max.)	% By Area	KLJ TM-P-12-98	0.10	0.10	0.10	0.05	0.05	0.05	0.02	0.02	0.02
REACH Compliance	Y/N		No	No	No	No	No	No	N. A.	N. A.	N. A.

RoHS : All above products are complying to RoHS requirements.

REACH : A number of REACH registered/pre-registered products available.

APPLICATIONS : Wires & Cables | Leather Cloth | Vinyl Flooring | Medical Equipment | Non-toxic Food Packaging | Footwear | Flexible PVC Films | Adhesives | Perfumery | Automobile Parts | Rubber Belts | Flexible Pipes and Tubings | Paints | Lubricants & Metal Working Fluids | Furniture | Chemical Intermediates, etc.

The above properties are indicative and represent the values as tested in our laboratories. There is no guarantee / warranty whatsoever. Suitability of the product for particular application may be verified before use.

◆ New Launch
● Food Contact Approved