



Trust Built on Performance

PLASTICIZERS (MALEATES & ADIPATES)

PROPERTIES	GRADE	UNIT	TEST METHOD	KANATOL 9M	KANATOL 8M	KANATOL 4M	KANATOL 2M	KANATOL 1M	KANATOL 10A	KANATOL 9A	KANATOL 8A	KANATOL 1A
				DI-ISO-NONYL MALEATE	DI-OCTYL MALEATE	DI-n-BUTYL MALEATE	DI-ETHYL MALEATE	DI-METHYL MALEATE	DI-ISO-DECYL ADIPATE	DI-ISO-NONYL ADIPATE	DI-OCTYL ADIPATE	DI-METHYL ADIPATE
Appearance			Visual	Water White Clear Liquid					Water White Clear Liquid			
Colour (Max.)	Hazen	ASTM-D-1045-08		40	40	40	40	40	40	40	30	40
Specific Gravity at 27°C	N/A	ASTM-D-1045-08		0.931 ± 0.003	0.943 ± 0.003	0.990 ± 0.003	1.060 ± 0.003	1.143 ± 0.003	0.915 ± 0.003	0.922 ± 0.003	0.923 ± 0.003	1.062 ± 0.003
Refractive Index at 27°C	N/A	ASTM-D-1045-08		1.457 ± 0.003	1.446 ± 0.003	1.446 ± 0.003	1.438 ± 0.003	1.442 ± 0.003	1.449 ± 0.003	1.452 ± 0.003	1.447 ± 0.003	1.427 ± 0.003
Volatile Loss at 130°C for 3 Hrs. (Max.)	% By Mass	KLJ TM-P-11-92		0.20	0.20	—	—	—	0.10	0.10	0.10	—
Volatile Loss at 110°C for 1 Hr. (Max.)	% By Mass	KLJ TM-P-11-92		—	—	0.5 (for 2 Hours)	1.0	1.0	—	—	—	0.3
Moisture Content (Max.)	% By Mass	ASTM-E-203-08		0.10	0.10	0.15	0.20	0.40	0.10	0.10	0.10	0.40
Acidity as Acid (Max.)	% By Mass	ASTM-D-1045-08		0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.05
Acidity after heat treatment at 180°C for 2 Hours (Max.)	% By Mass	ISI-9591-03		0.04	0.04	0.05	N.A.	N.A.	0.05	0.05	0.04	N.A.
Heat Stability at 180°C for 2 Hrs.	Colour	ISI-9591-03		50 Hu.	50 Hu.	—	—	—	50 Hu.	50 Hu.	40 Hu.	—
Heat Stability at 150°C for 2 Hrs.	Colour	ISI-9591-03		—	—	50 Hu.	50 Hu.	50 Hu.	—	—	—	50 Hu.
Ester Value	mg KOH/gm	ASTM-D-1045-08		304±3	330±3	493±3	652±3	779±3	263±3	281±3	303±3	640±3
Ester Content (Min.)	% By Weight	ASTM-D-1045-08		99	99	99	99	99	99	99.5	99.5	99.5
Plasticizing Esters By GLC (Min.)	% By Area	KLJ TM-P-12-98		99	99	99	99	99	99	99.5	99.5	99.5
Viscosity at 20°C	cPs	KLJ TM-P-13-97		16 - 22	16 - 22	6 - 12	—	—	24 - 30	19 - 25	12-18 (at 25°C)	—
Boiling Point at Atmospheric Pressure	°C	IS-5298-05		—	—	280.6	225	205	239 at 5 mmHg	233 at 5 mmHg	335	—
REACH Compliance	Y/N	—		—	—	—	—	—	Yes	Yes	Yes	N.A.

◆ New Launch
● Food Contact Approved