

DIFFERENT GRADES OF TECHNICAL GRADE (LX) WHITE MINERAL OIL

Sr. no.	Typical properties	Test Method	Specification										
			LX -10	LX -12	LX -15	LX -20	LX -30	LX -40	LX -50	LX -60	LX -70	LX -100	LX -120
1	Appearance	Visual	Water-white	Water-white	Water-white	Water-white	Water-white	Water-white	Water-white	Water-white	Water-white	Water-white	Water-white
2	Specific gravity at 25 °C	ASTM D 4052	0.800 – 0.835	0.805 – 0.840	0.810 – 0.840	0.820 – 0.845	0.825 – 0.855	0.830 – 0.865	0.835 – 0.870	0.840 – 0.875	0.845 – 0.880	0.845 – 0.885	0.850 – 890
3	Kinematic Viscosity at 40 °C, cst *	ASTM D 445	6 – 12	10.5 – 13.5	12 – 17	17 – 23	27 – 34	36 – 44	45 – 55	55 – 65	65 – 75	80 – 100	100 - 120
4	Colour Saybolt	ASTM D 156	Min.+27	Min. +27	Min. +27	Min. +27	Min. +27	Min. +27	Min. +27	Min. +27	Min. +27	Min. +27	Min. +27
5	Flash point COC, °C	ASTM D 92	Min. 150	Min. 155	Min. 160	Min. 170	Min. 180	Min. 190	Min. 195	Min. 200	Min. 210	Min. 215	Min. 220
6	Pour point, °C	ASTM D 97	Max. -27	Max. -24	Max. -24	Max. -21	Max. -18	Max. -15	Max. -12	Max. -9	Max. -6	Max. -3	Max. -3
7	Sulfur content, ppm	ASTM D 2622	NMT 10	NMT 10	NMT 10	NMT 10	NMT 10	NMT 10	NMT 10	NMT 10	NMT 10	NMT 10	NMT 10
8	Viscosity index	ASTM D 2270	Min. 90	Min. 90	Min. 90	Min. 90	Min. 90	Min. 90	Min. 95	Min. 95	Min. 95	Min. 95	Min. 95
9	Copper Corrosion,	ASTM D 130	NMT 1b	NMT 1b	NMT 1b	NMT 1b	NMT 1b	NMT 1b	NMT 1b	NMT 1b	NMT 1b	NMT 1b	NMT 1b
10	Neutralisation Value mgKOH/g	ASTM D 974	NMT 0.01	NMT 0.01	NMT 0.01	NMT 0.01	NMT 0.01	NMT 0.01	NMT 0.01	NMT 0.01	NMT 0.01	NMT 0.01	NMT 0.01
11	% Un -Sulphonated Residue (%USR)	ASTM D 483	Min. 95	Min. 95	Min. 95	Min. 95	Min. 95	Min. 95	Min. 95	Min. 95	Min. 95	Min. 95	Min. 95

* - Kinematic Viscosity can be adjusted as per customer requirement.

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