

Electrifill Fluids

TYPICAL PROPERTIES	ASTM	EF 0CS	EF06 CS	EF015 CS	EF10 CS	EF30CS	EF100	EF500	EF2288	EF T3788
Kinematic Viscosity (cSt), Min- max / Temp, °C Typical/°C	D-445	21-45/40 4.5/100	95-130 / 40 12/100	700 / 37.8 32-37 / 98.9	7600 / 37.8 204-247 / 98.9	24000/37.8 580-680/98.9	18.1-22.9 / 37.8 4.5 max / 98.9	108-119/37.8 12/100	2.0-2.6 / 100 9.0 – 11.0 / 40	4.0-4.5/40 1.5/100
Dielectric Dissipation Factor at 100°C,60Hz Max (as received) (after 96 h at 115 °C)	D-924	0.001 0.002	0.001 0.002	0.0005 0.0010	0.0005 0.0010	0.0005 0.001	0.001 0.002	0.001 0.002	0.001 0.002	0.002 0.004
Water content, as shipped (ppm) Max	D-1533	35	35	35	35	35	35	35	45	50
Dielectric Strength at 80 °C (kV) Min	D-877	35	35	35	35	35	35	35	35	35
Neutralization Number, mgKOH/g Max (as received) (after 96 h at 115 °C)	D-974	0.02 0.1	0.02 0.1	0.02 0.1	0.02 0.1	0.02 0.1	0.02 0.1	0.02 0.1	0.02 0.1	0.02 0.1
Flash Point (COC), °C Min	D-92	120	120	120	190	200	160	165	130	130
Color Max	D-1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.0
Specific Gravity 15°/15°C	D-1298	0.83	0.84	0.86	0.88	0.90	0.86	0.87	0.87	0.86
Total Sulphur, % / wt Max	D-2622	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Inorganic Chlorides (ppm) Max	D-878	1	1	1	1	1	1	1	1	1
Organic Chlorides (ppm) Max	D-2522	40	40	40	40	40	0	10		0
Pour Point, °C Max	D-97	-40	- 30	- 5	- 2	8	- 50	-25	- 40	-45
Gassing Characteristics under Electrical Stress,80°C (ul/min) Min	D-2300	-30	- 25	- 20	- 5	-5	- 30	-20	-2	-30
Polychlorinated Biphenyls (PCBs), ppm Max	EPA 3580	1	1	1	1	1	1	1	1	1
Benzene content, ppm Max	EPA 5030	1	1	1	1	1	1	1	1	1
Peroxide Number, ppm Max	D-1563	5	5	5	5	5	5	5		
Aniline Point, °C	D-611								75 - 85	

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