

Electrical Grade Polybutenes

Description

Soltex synthetic dielectric fluids are alkylate/polybutene based insulating cable oils compatible with materials of construction that provide optimum high oxidative/thermal stability during manufacture and protection in service.

Properties

SPECIFICATION PROPERTIES	ASTM	PB 6E	PB 8E	PB 011E	PB 015E	PB18E	PB 24E	PB 1500E	PB 32E
Kinematic Viscosity (cSt)									
Min	D-445	21	94	18	32	70	190	322	580
Max		45	130	23	37	95	240	365	680
Temp, °C		40	40	98.9	98.9	98.9	98.9	98.9	98.9
Flash Point (COC), °C									
Min	D-92	110	120	120	120	120	180	180	200
Color,									
Max	D-1500	1	1	1	1	1	1	1	1
Water, ppm									
Max	D-1533	35	35	35	35	35	35	35	35
Acid Number, mg KOH/g									
Max	D-974	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Dielectric Strength, 23 °C, KV									
Min	D-877	35	35	35	35	35	35	35	35
Dielectric Dissipation Factor, 100°C Initial/60 Hz, Max	D-924	0.001	0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
TYPICAL PROPERTIES									
Saybolt Viscosity (SUS) , Temp 98.9 °C	D-2161	32-45	55-66	90-110	155-175	325-445	880-1100	1500-1700	2700-3170
Specific Gravity, 15.6°/15.6°C	D-1298	0.83-0.85	0.84-0.86	0.85-0.88	0.85-0.88	0.86-0.90	0.88-0.90	0.88-0.91	0.89-0.91
Density, lb / gal	D-1298	6.91	7.16	7.24	7.17	7.32	7.41	7.48	7.5
Pour Point , °C									
Max	ASH-86	-40	-35	-20	-20	-15	2	5	8
Dielectric Dissipation Factor, After 96 h/115°C/60 Hz	D-1935	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001

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