



Adding value to  
your formulations

TECHNICAL DATA SHEET

ELECTRICAL GRADE POLYBUTENES

*ELECTRICAL GRADES OF POLYBUTENE ARE SUITABLE FOR DIELECTRIC FLUIDS IN HOLLOW PIPE-TYPE POWER TRANSMISSION CABLES. THEY ARE COLORLESS, CHEMICALLY INERT LIQUIDS. THEY ARE NON-DRYING AND HIGHLY RESISTANT TO OXIDATION, PHOTODEGRADATION, ARE NON-TOXIC AND WILL NOT LEAVE A RESIDUE WHEN VOLATILIZED OR THERMALLY DECOMPOSED.*

SPECIFICATION PROPERTIES	ASTM	PB 05E	PB 6E	PB 8E	PB 011E	PB 015E	PB 24E	PB 1500E	PB 32E
<b>Kinematic Viscosity ( cSt) , 40 °C</b>									
<b>Min</b>			21	94		32	190	322	580
<b>Max</b>	D-445		45	130		37	240	365	680
<b>Temp, °C</b>			40	40		100	100	100	100
<b>Color, Max</b>	D-5386	100	100	100	100	100	100	100	100
<b>Pour Point , °C Max</b>	ASH-86	-5	-35	-35		-5	-5	-5	-5
<b>Flash Point (COC), °C Min</b>	D-92	120	125	130	150	150	190	190	200
<b>TYPICAL PROPERTIES</b>									
<b>Saybolt Viscosity ( SSU) , 98.9 °C</b>	D-446	35 - 45			130			1600	
<b>Specific Gravity 15.6°/15.6°C</b>	D-4052	0.885	0.830	0.860	0.860	0.860	0.898	0.905	0.905
<b>Density, lb / gal</b>	D-1298	7.41				7.17	7.41	7.48	7.50
<b>Acid Number, mg KOH/g Max</b>	D-974	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02
<b>Water, ppm</b>	D-1533	45	45	45	45	30	40	45	45
<b>Dielectric Strength, 23 C, KV Min</b>	D-877	30	35	35	35	35	35	35	35
<b>Dielectric Dissipation Factor, 100 °C /60 Hz</b>									
<b>Initial</b>	D-924		0.001	0.001	0.001	0.0005	0.0005	0.0005	0.0005
<b>After 96 h/115°C/60 Hz</b>	D-1934		0.002	0.002	0.002	0.01	0.01	0.01	0.01

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- ACETYLENE BLACK ● ALKYLATES ● BASE OILS (GROUP II AND GROUP III) ● CABLE FLOOD, FILL AND GELS ● DIELECTRIC FLUIDS ● PERFORMANCE ADDITIVES
- POLYALPHAOLEFINS ● POLYBUTENES (STANDARD GRADES) ● REFRIGERATION FLUIDS ● SPECIALTY POLYISOBUTYLENE ● SULFONATES