

Polybutenes

Description

Soltex Polybutenes are viscous non-drying liquid butylene polymers. These products are ideal for a wide range of applications such as ashless dispersants, fuel and lubricant additives, caulks, sealants, adhesives, industrial stretch film, wrap film, lubricants, dielectric fluids, cosmetics and personal care.

Properties

SPECIFICATION PROPERTIES	ASTM	PB 6	PB 8	PB 10	PB 12	PB 16	PB 18	PB 20	PB 24	PB 32	PB 122	PB 124	PB 128
Appearance	D 4176	Bright & Clear											
Kinematic Viscosity, cSt		-	-	-	-	-	-	-	-	-	-	-	-
Min	D 445	21	94	210	23	41	70	110	190	595	2,200	2,950	4,000
Max		45	130	230	37	59	95	125	250	685	2,950	3,600	4,900
Temp (°C)		40	40	40	100	100	100	100	100	100	100	100	100
Water, ppm Max	D 6304	70	70	70	70	70	70	70	70	70	70	70	70
Color, Pt-Co Scale Max	D 5386	100	100	100	100	100	100	100	100	100	100	100	100
Flash Point (COC), °C Min	D 92	110	120	120	120	120	150	150	180	200	210	220	220
TYPICAL PROPERTIES													
Average Molecular Weight, GPC	-	350	460	510	540	670	700	856	950	1,300	2,100	2,200	2,400
Kinematic Viscosity, cSt		-	-	-	-	-	-	-	-	-	-	-	-
40°C	D 445	-	-	-	550	1,150	2,100	2,400	8,100	25,000	112,000	133,000	192,000
100°C		5	11	17	-	-	-	-	-	-	-	-	-
Viscosity Index	-	23	72	83	86	89	94	117	127	167	241	248	273
Specific Gravity 15.6°C/15.6°C	D 4052	0.84	0.85	0.86	0.87	0.87	0.88	0.88	0.89	0.90	0.91	0.91	0.91
Density, lbs/gal	D 4052	7.01	7.09	7.18	7.24	7.26	7.34	7.35	7.43	7.51	7.58	7.59	7.6
Acid Number, mg KOH/g	D 974	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Pour Point (°C)	D 97	-45	-35	-30	-25	-20	-15	-10	-3	5	10	17	22

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