



Polybutenes



Acetylene
Black



Performance
Chemical Additives



Polyalpha-
olefins



Alkylate
Fluids



Refrigeration
Fluids



Dielectric
Fluids



Transformer
Fluids



Cable Flood,
Fill & Gels



Corrosion
Inhibitors



Tackifiers



Fumed
Silica



Metal
Carboxylates



S O L T E X



SYNTHETIC BASE STOCKS

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DF AND ELECTRIFILL DIELECTRIC FLUIDS

ERGON HYVOLT TRANSFORMER FLUID

**SOLGUARD CABLE SHIELD
ACSR ANTI-CORROSION GREASES**

SOLTEX ACETYLENE BLACK

**NAPTEL AND SOLTEXFILL TELECOM
FILLING/FLOODING COMPOUNDS**



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YOUR FULL-SERVICE BASE STOCK RESOURCE



Soltex supplies high-performance synthetic base stock materials, including polybutenes, polyalphaolefins and alkylate fluids.

The versatility of our synthetic base stock offerings allows you to meet the unique formulation requirements of a broad range of product applications, including:

- Industrial and automotive performance additives
- Lubricants
- Agricultural products
- Detergents and dispersants
- Gelled and amorphous sulfonates
- Refrigeration and dielectric fluids
- Cable products (telecom and power)

Soltex offers you a dependable source of quality products, plus global capabilities, extensive technical support and responsive customer service – all designed to help you achieve your product performance and business objectives.



Description

Viscous, non-drying liquid butylene polymers.

Advantages

Non-toxic, non-drying, lubricity, impart tackiness or adhesion, corrosion protection, burn without residue, good thermal stability, and superior dielectric properties.

End Uses

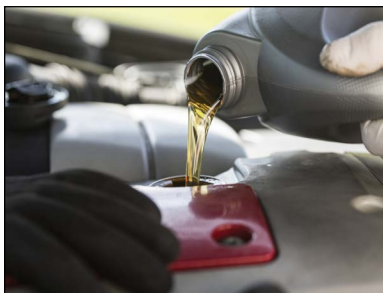
Soltex polybutenes are ideal for a wide range of applications, such as ashless dispersants, fuel and lubricant additives, caulks, sealants, adhesives, industrial stretch film, wrap film, lubricants, dielectric fluids, cosmetics and personal care.

SPECIFICATION PROPERTIES	ASTM	PB 6	PB 8	PB 10	PB 12	PB 16	PB 18
Appearance	D-4176	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear
Viscosity, cST	D-445						
Min		21	94	210	23	41	70
Max		45	130	230	37	59	95
Temp (°C)		40	40	40	100	100	100
Water, ppm Max	D-6304	70	70	70	70	70	70
Color, Pt-Co Scale Max	D-5386	100	100	100	100	100	100
Flash Point (COC), °C Min	D-92	110	120	120	120	120	120
TYPICAL PROPERTIES							
Average Molecular Weight, GPC		350	460	510	540	670	700
Viscosity, cST (40°C)	D-445						
Min					372	830	1746
Max					815	1510	2600
Viscosity Index		23	56	70	75	87	95
Specific Gravity 15.6°/15.6°C	D-1298	0.83	0.86	0.86	0.87	0.87	0.88
Density, lb/gal	D-1298	6.91	7.16	7.2	7.24	7.29	7.32
Acid Number, mg KOH/g Max	D-974	0.02	0.02	0.02	0.02	0.02	0.02
Pour Point (°C) Min	D-97	-40	-35	-30	-30	-20	-15



SPECIFICATION PROPERTIES	PB 20	PB 24	PB 32	PB 122	PB 124	PB 128
Appearance	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear
Viscosity, cST						
Min	110	190	595	2200	2950	4000
Max	125	250	685	2950	3600	4900
Temp (°C)	100	100	100	100	100	100
Water, ppm Max	70	70	70	70	70	70
Color, Pt-Co Scale Max	100	100	100	100	100	100
Flash Point (COC), °C Min	120	180	200	200	200	200
TYPICAL PROPERTIES						
Average Molecular Weight, GPC	856	950	1300	2225	2400	2600
Viscosity, cST (40°C)						
Min	3375	4745	16850	68755	110000	150000
Max	4255	6000	22000	110000	128000	210000
Viscosity Index	98	127	186	256	272	273
Specific Gravity 15.6°/15.6°C	0.88	0.89	0.9	0.91	0.91	0.91
Density, lb/gal	7.34	7.41	7.5	7.58	7.58	7.6
Acid Number, mg KOH/g Max	0.02	0.02	0.02	0.02	0.02	0.02
Pour Point (°C) Min	-10	-5	5	10	10	15

POLYALPHAOLEFINS



Description

Polyalphaolefins (PAO's) are hydrogenated olefin oligomers manufactured by the catalytic polymerization of linear alpha olefins. PAO products are colorless liquids with well-defined, wax-free isoparaffinic structures.

Advantages

High viscosity index, food-grade approval, superior oxidative and thermal stability, good low-temperature properties and non-toxic.

End Uses

Food-grade greases, telecom cables, automotive, industrial and aerospace lubricants.

SPECIFICATION PROPERTIES	ASTM	PAO 2	PAO 4	PAO 6	PAO 6B	PAO 7	PAO 8	PAO 8B	PAO 10	PAO 40	PAO 100
Appearance	D4176	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Color, Pt/Co or Color, ASTM	D5386 or D1500	50 max	50 max	50 max	50 max	50 max	50 max	50 max	50 max	50 max	50 max
Kinematic Viscosity (cSt) @ 100°C	D445	1.7-2.2	3.8-4.2	5.6-6.0	5.6-6.0	6.7-7.2	7.7-8.2	7.7-8.2	9.4-10.9	38.0-42.0	95.0-115.0
Flash Point (COC), °C	D92	150 min	200 min	230 min	230 min	240 min	230 min	240 min	245 min	260 min	270 min
Pour Point, °C	D97/D5950	-54 max	-54 max	-54 max	-40 max	-40 max	-40 max	-38 max	-40 max	-30 max	-18 max
Water, ppm	D-6304	50 max	50 max	50 max	50 max	50 max	50 max	50 max	50 max	50 max	50 max
TYPICAL PROPERTIES											
Specific Gravity 15.6°/15.6°C	D4052	0.8	0.82	0.827	0.826	0.8306	0.832	0.831	0.835	0.85	0.855
Kinematic Viscosity (cSt) @ 40°C	D445	5.1	18	31	29.1	37.7	46	46	65	390	1,300
Kinematic Viscosity (cSt) @ -40°C	D445	285	2,700	7,600	8,200	10,732	18,000	-	38,000	-	-
Viscosity Index	D2270	-	125	135	150	146	135	148	138	147	170
Density, lb/gal	-	6.67	6.837	6.896	6.893	6.917	6.937	6.919	6.962	7.087	7.129
Acid Number, mg KOH/g	D974	0.01	0.01	0.01	<0.03	<0.03	0.01	<0.03	0.01	0.01	0.01



Description

Branched and linear alkylbenzenes. Branched alkylbenzene (BAB) is produced by reacting benzene with various propylene oligomers to produce different molecular weights. Linear alkylbenzene (LAB) is produced by reacting benzene with linear alpha olefins, producing a range of different molecular weight products.

Advantages

Superior low-temperature properties, excellent oxidative and thermal stability, compatible with elastomers, seal swell and improved solubility.

End Uses

Raw materials for surfactants and synthetic sulfonates, base oil for specialty lubricants and functional fluids. Used in agriculture and electronic components and equipment.

SPECIFICATION PROPERTIES	ASTM	A 6	A 14	A 32	A 46	A 68	A 100
Color, Max	D-1500	1.0	1.0	1.5	1.5	1.5	1.5
Kinematic Viscosity (cST) @ 40°C	D-445	4.0-7.0	13-24	29-35	42-50	50-70	85-105
Flash Point (COC), °C, min	D-92	125	185	170	170	170	170
Water, ppm, max	D-1533	100	100	100	100	100	100
TYPICAL PROPERTIES							
Specific Gravity	D-1298	0.86	0.86	0.86	0.865	0.875	0.88
Pour Point, °C, max	D-97	-40	-40	-40	-35	-30	-30
Floc Point, °C, max	ASH-86	-65	-65	-65	-60	-55	-55
Acid Number, mg KOH/g, max	D-974	0.02	0.02	0.02	0.02	0.02	0.02



S O L T E X

Adding value to your formulations

Soltex base components and chemical additives increase the value of chemical products in numerous industrial and consumer applications.

Our commitment is to deliver high-quality products, exceptional customer support, and innovative problem solving. Our customer service team focuses on timely responses, as well as comprehensive technical support. Our staff consists of experts in chemical supply and we are eager to share our knowledge to help meet your chemical product and application needs.

Soltex is ambitiously seeking innovative solutions, expanding on chemical formulas and providing uniquely blended solutions for your applications.

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