



Polybutenes



Acetylene  
Black



Performance  
Chemical  
Additives



Polyalpha-  
olefins



Alkylate  
Fluids



Refrigeration  
Fluids



Dielectric  
Fluids



Cable Flood,  
Fill & Gels



Corrosion  
Inhibitors



# SYNTHETIC BASE STOCKS



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**POLYBUTENES**



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**POLYALPHAOLEFINS**

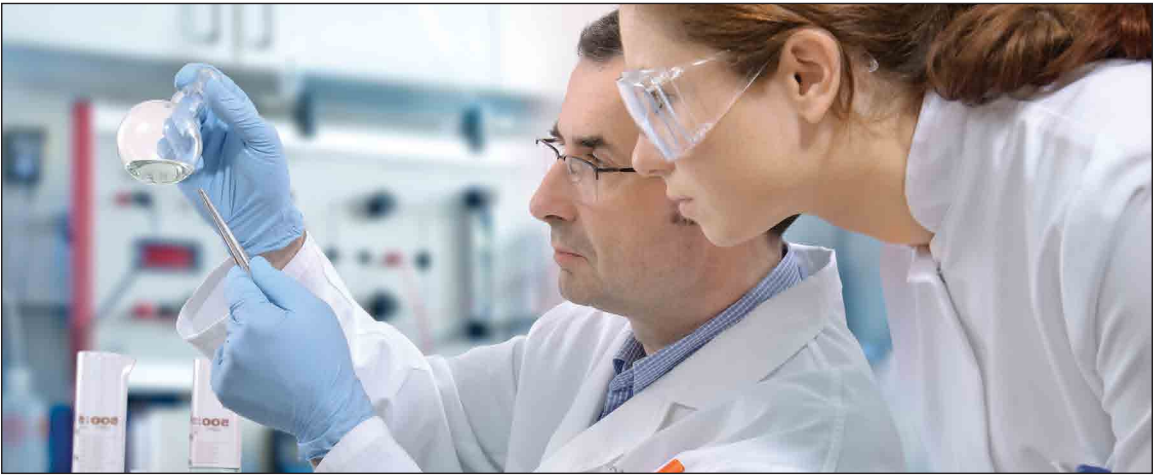


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**ALKYLATE FLUIDS**



# 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.*



# POLYBUTENES



## 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.

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





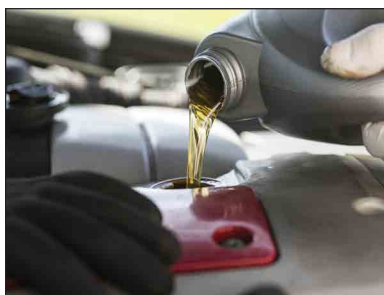
## End Uses

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.

<b>PB 16</b>	<b>PB 18</b>	<b>PB 20</b>	<b>PB 24</b>	<b>PB 32</b>	<b>PB 122</b>	<b>PB 124</b>	<b>PB 128</b>
Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear
41	70	110	190	595	2200	2950	4000
59	95	125	250	685	2950	3600	4900
100	100	100	100	100	100	100	100
70	70	70	70	70	70	70	70
100	100	100	100	100	100	100	100
120	120	120	180	200	200	200	200
670	700	856	950	1300	2225	2400	2600
830	1746	3375	4745	16850	68755	110000	150000
1510	2600	4255	6000	22000	110000	128000	210000
87	95	98	127	186	256	272	273
0.87	0.88	0.88	0.89	0.9	0.91	0.91	0.91
7.29	7.32	7.34	7.41	7.5	7.58	7.58	7.6
0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
-20	-15	-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 8	PAO 10	PAO 40	PAO 100
<b>Appearance</b>	D-4176	Clear	Clear	Clear	Clear	Clear	Clear	Clear
<b>Color, Pt/Co or Color, ASTM</b>	D-5386 or D-1500	50 max 0.5 max	50 max 0.5 max	50 max 0.5 max	50 max 0.5 max	50 max 0.5 max	50 max 0.5 max	50 max ≤0.5
<b>Kinematic Viscosity (cST) @ 100°C</b>	D-445	1.7-2.2	3.8-4.2	5.6-6.0	7.7-8.2	9.4-10.9	38.0-42.0	95.0-115.0
<b>Flash Point (COC), °C</b>	D-92	150 min	200 min	230 min	230 min	245 min	260 min	270 min
<b>Pour Point, °C</b>	D-97/D-5950	-54 max	-54 max	-54 max	-45 max	-45 max	-30 max	-18 max
<b>Water, ppm</b>	D-6304	50 max	50 max	50 max	50 max	50 max	50 max	50 max
TYPICAL PROPERTIES								
<b>Specific Gravity 15.6°/15.6°C</b>	D-1298	0.8	0.82	0.827	0.832	0.835	0.85	0.855
<b>Kinematic Viscosity (cST) @ 40°C</b>	D-445	5.1	18	31	46	65	390	1,300
<b>Kinematic Viscosity (cST) @ -40°C</b>	D-445	285	2,700	7,600	18,000	38,000	-	-
<b>Viscosity Index</b>	D-2270	-	125	135	135	138	147	170
<b>Density, lb/gal</b>		6.67	6.837	6.896	6.937	6.962	7.087	7.129
<b>Acid Number, mg KOH/g</b>	D-974	0.01	0.01	0.01	0.01	0.01	0.01	0.01



# ALKYLATE FLUIDS



## 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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**SOLTEX, INC.**

**USA** P: 281.587.0900 | F: 281.587.1998

**CANADA** P: 613.966.8881 | F: 613.966.1901

**ARGENTINA** P: +54 9221 511 9100/9003

[soltexinc.com](http://soltexinc.com)