

## Dynasol Solprene® 4316 Thermoplastic Rubber (SBS)

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE

**Material Notes:**

Solprene 4316 is a radial styrene/butadiene block copolymer with 30% styrene content, most of it forming a polystyrenes block which gives the polymer a thermoplastic behavior. It develops properties of vulcanized rubber yet not requiring vulcanization. It is protected with a non staining antioxidant system; FDA approved, suitable for food contact applications and is essentially gel free with a very clear color. It is available as free flowing porous crumb for easy handling and dissolution, packaged in standard paper bags, super sacs and cardboard boxes. Uses: Solprene 4316 is used as elastomeric modifier for asphalt and plastics, as ingredient of soling formulations and as base for pressure sensitive adhesives. Main Applications: Paving Polymer modification Adhesives Footwear Information provided by Dynasol.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dynasol-Solprene-4316-Thermoplastic-Rubber-SBS.php](http://www.lookpolymers.com/polymer_Dynasol-Solprene-4316-Thermoplastic-Rubber-SBS.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	DIN 53479
Volatiles	<= 0.75 %	<= 0.75 %	ASTM D5668
Viscosity Measure	11 cSt	11 cSt	5.23% Toluene solution; NM-300-11
Melt Flow	<= 0.50 g/10 min @Load 5.00 kg, Temperature 200 °C	<= 0.50 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78	78	ASTM D2240
Tensile Strength at Break	17.0 MPa	2470 psi	ASTM D412
Elongation at Break	800 %	800 %	ASTM D412
300% Modulus	0.00270 GPa	0.392 ksi	ASTM D412

Chemical Properties	Metric	English	Comments
Styrene Content	>= 29 %	>= 29 %	Block; NM 202-07
	30 %	30 %	on polymer; ASTM D5775

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China