

## Dynasol Solprene® 4302 Thermoplastic Rubber (SBS)

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

**Material Notes:**

Solprene 4302 is a linear block copolymer of styrene and butadiene, having 31% styrene content, most of it forming a polystyrene block, which gives the polymer a thermoplastic behavior. It has a non-staining antioxidant system; FDA approved, and is essentially gel free with a very clear color. It is presented as free flowing porous crumb making easy its handling and dissolution. Uses: S-4302 is used as an ingredient for adhesives formulation, as an impact modifier for plastics and as an elastomeric modifier for asphalt mixtures used in paving and roofing. Applications: Adhesives Polymer modification Paving Roofing Information provided by Dynasol.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dynasol-Solprene-4302-Thermoplastic-Rubber-SBS.php](http://www.lookpolymers.com/polymer_Dynasol-Solprene-4302-Thermoplastic-Rubber-SBS.php)

Physical Properties	Metric	English	Comments
Volatiles	<= 0.75 %	<= 0.75 %	ASTM D5668
Viscosity	890 cP	890 cP	25% Toluene solution; ASTM D2994
Viscosity Measure	7.0 cSt	7.0 cSt	5.23% Toluene solution; NM-300-11
Melt Flow	<= 6.0 g/10 min	<= 6.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	62	62	DIN 53505
Tensile Strength	17.0 MPa	2470 psi	ASTM D412
Elongation at Break	1275 %	1275 %	ASTM D412

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-89.0 °C	-128 °F	ASTM E-1356

Chemical Properties	Metric	English	Comments
Styrene Content	>= 29 %	>= 29 %	Block; NM 202-07
	31 %	31 %	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