

Dynasol Solprene® 4318 Thermoplastic Rubber SBS Dry

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

Material Notes:

Solprene 4318 is a linear block copolymer of styrene and butadiene, having 32% of 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 for use in food contact applications and is essentially gel free with a very clear color. S-4318 is used as compounding ingredient for adhesives. The product is an excellent modifier for asphalt applications including self-adhesive roofing membrane and sealant. Also is used in thermoplastic injected shoe soles formulations. It is presented as free flowing porous crumb making easy its handling and dissolution. Applications: Roofing & Plastic modification Adhesives Information provided by Dynasol

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dynasol-Solprene-4318-Thermoplastic-Rubber-SBS-Dry.php

Physical Properties	Metric	English	Comments
Volatiles	<= 0.75 %	<= 0.75 %	ASTM D-5668
Brookfield Viscosity	700 cP	700 cP	25% toluene solution; MA 04-3-064
Viscosity Measure	7.0 cSt	7.0 cSt	Toluene solution viscosity 5,23%; NM 300-11
Melt Index of Compound	8.0 g/10 min	8.0 g/10 min	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	69	69	ASTM D-2240
Tensile Strength at Break	3.70 MPa	537 psi	ASTM D-412
Elongation at Break	>= 1000 %	>= 1000 %	ASTM D-412
300% Modulus	0.00120 GPa	0.174 ksi	ASTM D-412

Chemical Properties	Metric	English	Comments
Styrene Content	>= 31 %	>= 31 %	Block; NM 202-07
	32 %	32 %	on polymer; ASTM D-5775

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