

Dynasol Solprene® 4321 Thermoplastic Rubber (SBS)

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

Material Notes:

Solprene 4321 is a linear block copolymer of styrene and butadiene, with 32% styrene content, most of it forming polystyrene block, which gives the polymer a thermoplastic behavior. It has a non-staining antioxidant and also available version TNPP-BHT free antioxidant system; FDA approved for use in food contact applications 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: Solprene 4321 is used as compounding ingredient for adhesives. The product is an excellent modifier for asphalt applications including self adhesive roofing membrane and sealants. Also is used in thermoplastic injected shoe soles formulations. Main Applications: RoofingFootwearPolymer ModificationAdhesivesInformation provided by Dynasol.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dynasol-Solprene-4321-Thermoplastic-Rubber-SBS.php

Physical Properties	Metric	English	Comments
Volatiles	<= 0.75 %	<= 0.75 %	ASTM D5668
Viscosity Measure	6.0 cSt	6.0 cSt	5.23% Toluene solution; NM-300-11
Melt Flow	11 g/10 min @Load 5.00 kg, Temperature 200 °C	11 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	71	71	ASTM D2240
Tensile Strength	3.50 MPa	508 psi	ASTM D412
Elongation at Break	1250 %	1250 %	ASTM D412

Chemical Properties	Metric	English	Comments
Styrene Content	31 %	31 %	Block; NM 202-07
	32 %	32 %	on polymer; ASTM D5775

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