

Dynasol Solprene® 4301 Thermoplastic Rubber (SBS)

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

Material Notes:

Solprene 4301 is a linear block copolymer of styrene and butadiene, having 33% 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. It is presented as free flowing porous crumb making easy its handling and dissolution. Uses: S-4301 is used as compounding ingredient for adhesives, as impact modifier for plastics and as elastomeric modifier for asphalt mixtures used in paving and roofing. Applications: Crack Sealant Adhesives Polymer modification Paving Roofing Information provided by Dynasol.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dynasol-Solprene-4301-Thermoplastic-Rubber-SBS.php

Physical Properties	Metric	English	Comments
Volatiles	<= 0.75 %	<= 0.75 %	ASTM D5668
Viscosity Measure	11 cSt	11 cSt	5.23% Toluene solution; NM-300-11
Melt Flow	<= 1.0 g/10 min	<= 1.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength	18.3 MPa	2650 psi	ASTM D412
Elongation at Break	775 %	775 %	ASTM D412

Chemical Properties	Metric	English	Comments
Styrene Content	>= 31 %	>= 31 %	Block; NM 202-07
	33 %	33 %	ASTM D5775

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