

Solprene® 490

Styrene Butadiene Styrene Block Copolymer

Dynasol Elastomers

Message:

Solprene® 490 is butadiene/styrene SBS thermoplastic copolymer with 70/30 percentage monomer composition and polymerized in solution. It has a radial structure and is extended with 32% naphthenic oil.

The right balance between molecular weight and oil composition permits to get high softening point and modulus properties as well as easy polymer time dispersion on polymer modified asphalt. This product was designed to give adequate rheological and heat flow resistance on asphalt shingles. Also, Solprene® 490 can be used in footwear compounding to give high mechanical properties.

General Information			
Features	Branched Polymer Structure		
	Copolymer		
Uses	Asphalt Modification		
	Compounding		
	Footwear		
Processing Method	Compounding		
Physical	Nominal Value	Unit	Test Method
Oil Type (Naphthenic Oil)		phr	
Block Styrene ¹	30	%	
Color - Apha ²	< 10		
Oil ³	35	%	
Solution Viscosity - 5.23% in toluene ⁴	12	cSt	
Styrene Content	30	%	ASTM D5775
Volatile Matter	< 0.75	%	ASTM D5668
Insolubles ⁵	< 0.10	%	
NOTE			
1.	NM 202-07		
2.	NM 300-33		
3.	NM 300-54		
4.	NM 300-11		
5.	NM 300-15		

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