



SBS – STYRENE-BUTADIENE STYRENE

A thermoplastic elastomer that combines the tough plastic properties of styrene with the elasticity and recovery of rubber. This unique combination of physical properties results in a range of materials that lend themselves exceptionally well to various applications including plastic modification, bitumen/asphalt modification, footwear, adhesives and roofing compounds.

Lower linear molecular weight grades offer very good flowability and are known for their transparency and easy processability.

Radial grades show higher melt strength, and offer higher mechanical properties with a high modification performance.

Dynasol

- Dynasol Group is a 50/50 joint venture of KUO and Repsol.
- 8th largest producer in the world of Styrene and Butadiene based Synthetic Rubber.
- 2nd largest producer of Rubber Chemicals in Europe.
- Operations & Technical Support in North America, Europe and Asia.

TECHNICAL PROPERTIES*

Polymer Properties	Test method	Value	
		Solprene S411	Calprene 501
Total Styrene, %	ASTM D5775	30	30
Toluene Solution Viscosity (at 5.23% and 25°C), cSt	NM 300-11	28	–
Toluene Solution Viscosity (at 5.23% and 25°C), cSt	MA 04-3-003	–	13
Volatile Matter, % max.	ASTM D5668	0.75	0.4
Insoluble matter, %max.	NM 300-15	0.1	–
Insolubles in toluene, 325 mesh, %	MA 04-3-018	–	<0.1

* Typical Values – Not to be construed as specifications.

PRODUCT DESCRIPTION

Solprene/Calprene 411 is a 70/30 butadiene/styrene thermoplastic copolymer, polymerized in solution and has a radial structure.

This product is available in:

- Solprene 411 Porous crumb
- Solprene 411C Porous pellet
- Solprene 411M Powder.

Product Applications

- Asphalt modification
- Solvent based adhesives
- Adhesives labels
- Polymer modification & compounding
- Footwear

* Additional grades available – Contact your eXsource representative for details.



PRODUCT DESCRIPTION

Calprene 501 is a 69/31 butadiene/styrene thermoplastic copolymer, polymerized in solution and having a linear structure.

This product is available in:

- Calprene 501 porous crumb
- Calprene 501C porous pellet
- Calprene 501M powder.

Product Applications

- Asphalt / Bitumen Modification
- Adhesives
- Footwear
- Roofing

* Additional grades available – Contact your eXsource representative for details.



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