

Solprene[®] 4318

DESCRIPTION:

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.

TECHNICAL DATA:

<i>Polymer Property</i>	<i>Value</i>	<i>Test Method</i>
Toluene solution viscosity 5,23%, cSt	7	NM-300-11
Volatile matter, % max	0.75	ASTM D-5668
Total styrene (on polymer), %	32	ASTM D-5775
Block styrene, % min	31	NM 202-07
Melt flow index, g/10'	8	ASTM D-1238
Hardness, °Shore A	69	ASTM D-2240
Tensile strength, MPa	3.7	ASTM D-412
300% modulus, MPa	1.2	ASTM D-412
Elongation, %	>1000	ASTM D-412

www.dynasolelastomers.com

February, 2004

The information contained in this document is property of the Dynasol Group, and should not be shared or discussed with third parties without written permission from the Company.

The logo for Dynasol, featuring a stylized square icon composed of diagonal lines to the left of the word "Dynasol" in a bold, sans-serif font.

TECHNICAL DATA SHEET