Solprene 4301

Solution

Technical Data

Description

SOLPRENE 4301 is a linear block copolymer of styrene and butadiene, having 33% of styrene content, most of it forming a polystyrene block, which gives the polymer a thermoplastic behavior.

It is essentially gel free with a very clear color and has a non-staining antioxidant system. It is BHT/TNPP free.

Solprene 4301 is used as ingredient in adhesive formulations, as impact modifier for plastics and as elastomeric modifier for asphalt mixtures used in paving and roofing.

It is presented as free flowing porous crumb making easy its handling and dissolution.

Technical data

Polymer Properties	Test method	Value
Total Styrene, %	ASTM D5575	32
Block Polystyrene, % min.	NM 202-07	31
Diblock Content, %	ASTM D5296	20
Toluene Solution Viscosity (at 5.23% and 25°C), cSt	NM 300-11	12.8
Melt Flow Index (at 200°C and 5Kg), g/10min	ASTM D1238	< 1
Volatile Matter, % max.	ASTM D5668	0.75
Tensile strength, MPa	ASTM D412	18.3
Elongation, %	ASTM D412	775

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Applications

- Adhesives
- Asphalt/Bitumen
- Roofing
- Compounding
- Polymer modification

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