

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

Total Styrene, %
Block Polystyrene, % min.
Diblock Content, %
Toluene Solution Viscosity
(at 5.23% and 25°C), cSt
Melt Flow Index
(at 200°C and 5Kg), g/10min
Volatile Matter, % max.
Tensile strength, MPa
Elongation, %

Test method

ASTM D5575 32
NM 202-07 31
ASTM D5296 20
NM 300-11 12.8
ASTM D1238 < 1
ASTM D5668 0.75
ASTM D412 18.3
ASTM D412 775

May, 2020

Applications

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

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