

Description

Solprene 1205 is a linear random-block styrene-butadiene copolymer with a total content of 25% of styrene, 17.5% is present as a polystyrene block.

It has a non-staining antioxidant system; FDA approved for use in food contact applications. It is essentially gel free with a clear color.

Solprene 1205 is an excellent modifier for asphalt, formulations of caulks and sealants; it is also an excellent processing aid for most polymers, giving a good resistance to low temperature. Used in compressed goods, soles and heels. It can also be used as modifier for thermoplastic resins and in adhesive formulations.

It is available in bales wrapped in low melting point polyethylene. In case of polymer modification by chemical reaction it can be wrapped in styrene-butadiene film.

Technical data

Polymer Properties

Mooney viscosity ML (1+4) @ 100°C, MU
 Volatile matter, % max.
 Color, APHA max.
 Total styrene, %
 Block styrene, %
 Toluene solution viscosity (at 30% and 25°C), cP
 Insoluble matter, % max.
 Specific gravity

Test method	Value
ASTM D1646	47
ASTM D5668	0.75
NM-300-33	15
ASTM D5775	25
NM 202-07	17.5
NM-300-18	4000
NM-300-15	0.1
DIN 53479	0.93

January, 2018

Applications

- Sealants.
- Adhesives.
- Paving.
- Polymer modification.
- Carpet underlay.
- Footwear