

Description	Technical data		
Solprene 4302 is a linear block copolymer of styrene and butadiene, having 31% 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 essential gel free with a clear color. Solprene 4302 is used as an ingredient for adhesives formulation, as an 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.	Polymer Properties	Test method	Value
	Total Styrene, %	ASTM D5575	31
	Block Polystyrene, % min.	NM 202-07	29
	Diblock Content, %	ASTM D5296	20
	Toluene Solution Viscosity (at 5.23% and 25°C), cSt	NM 300-11	7
	Toluene Solution Viscosity (at 25% and 25°C), cSt	ASTM D2994	890
	Melt Flow Index (at 200°C and 5 Kg), g/10min	ASTM D1238	6
	Volatile Matter, % max.	ASTM D5668	0.75
	Hardness, Shore A	ASTM D2240	62
	Tensile strength, MPa	ASTM D412	17
	Elongation, %	ASTM D412	1275
	Glass transition temperature (Tg), °C	ASTM E1356	-89

Applications

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

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