

Description	Technical data		
Solprene 411 is a 70/30 butadiene/styrene thermoplastic copolymer, polymerized in solution and has a radial structure. This product is available in: - Solprene 411 porous pellet. - Solprene 411M powder form dusted with calcium carbonate	Polymer Properties	Test method	Value
	Total Styrene, %	ASTM D5775	30
	Toluene Solution Viscosity (at 5.23% and 25°C), cSt	NM 300-11	28
	Volatile Matter, % max.	ASTM D5668	0.75
	Insoluble matter, %max.	NM 300-15	0.1
Applications - Adhesives - Asphalt/Bitumen - Compounds - Roofing	Modified Asphalt Properties	Test method	Value
	In waterproof membranes (150/200 asphalt + 12% polymer)		
	Softening Point Temperature, °C	ASTM D36	>130
	Penetration at 25°C, 1/10mm	ASTM D5-86	<50
	Viscosity at 180°C, cP	ASTM D4402	2200
	Cold Flexibility Temperature, °C	MA 04-5-009	<-30

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