

Description	Technical data		
<p>Solprene 411 is a 70/30 butadiene/styrene thermoplastic copolymer, polymerized in solution and has a radial structure.</p> <p>This product is available in:</p> <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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
	<i>June, 2022</i>		

Description	Technical data		
Calprene 411 is a 70/30 butadiene/styrene thermoplastic copolymer, polymerized in solution and has a radial structure.	Polymer Properties	Test method	Value
This product is available in:	Toluene solution viscosity, (5.23%,25 °C) ,cSt	MA 04-3-003	26
• Calprene 411, porous crumb.	Volatile matter, % max.	ASTM D5668	0.75
• Calprene 411C, porous pellet.	Total styrene (on polymer), %	MA-04-3-062	30
• Calprene 411M, powder form dusted with amorphous silica.	Insoluble matter in toluene (325 mesh), % max.	MA 04-3-018	0.1
	<i>February, 2023</i>		

Applications

- Bitumen modification.
- Plastic modification.
- Technical compounds.
- Footwear.
- Adhesives and Sealants.