

### Description

Emulprene 1509 is a cold styrene – butadiene copolymer, used fatty and rosin acid as emulsifier, coagulated by salt – acid system and stabilized with a non-staining antioxidant.

### Packing

This product is commercialized in 34 ± 1 Kg rectangular bales individually wrapped in low melting point polyethylene film and shipped in 36-bale cardboard boxes.

### Uses

Emulprene 1509 is used in shoe sole formulations, sponge, industrial products.

### Storage

Store in dry and ventilated area where it will not be exposed to direct sunlight, extreme temperatures or sources of ignition.

Please consult Emulprene 1509 Safety Data Sheet (SDS) for more detailed handling and storage information.

### Chemical properties

Property	Test method	Value
Volatile matter, % Max.	ASTM D5668	1.0
Ash, % Max.	ASTM D5667	1.0
Organic Acid, % Min.	ASTM D5774	4.3
Soap, % Max.	ASTM D5774	0.5
Bound Styrene, %	ASTM D5775	22.5 – 24.5

### Physical properties

Property	Test method	Value
Mooney Viscosity (ML1+4 at 100°C), MU	ASTM D1646	30 – 40
*Compound Mooney Viscosity (ML1+4 at 100°C), MU max.	ASTM D1646	74
Tensile Strength, MPa Min.	ASTM D412	20.0
Modulus 300%, MPa	ASTM D412	13.2 – 18.8
Elongation at break, % Min.	ASTM D412	350

### Rheometrical Test (ODR2000)

Property	Test method	Value
ML, lb-in	ASTM D2084	4.9 – 7.1
MH, lb-in	ASTM D2084	36.6 – 43.3
t <sub>c</sub> 1, min	ASTM D2084	3.0 – 5.6
t <sub>c</sub> 90, min	ASTM D2084	11.5 – 17.5

(\*) ASTM D3185-1A TEST RECIPE

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