

### Description

Emulprene 1502A is a styrene-butadiene copolymer, cold polymerized using fatty and rosin acid soap. Previous to the alum-acid coagulation, a non-staining stabilizer is added in the manufacturing process. The product does not contain nitrosamine promoters.

### Packing

This product is commercialized in  $34 \pm 1$  Kg rectangular bales individually wrapped in low melting point polyethylene film and shipped in 30-bale wooden crates.

### Uses

Emulprene 1502A is used for food and pharmaceutical packaging and seals, baby bottle teats and health care, adhesives, chemical derivatives of rubbers.

### 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 1502A Safety Data Sheet (SDS) for more detailed handling and storage information.

### Chemical properties

Property	Test method	Value
Volatile matter, % max	ASTM D 5668	0.8
Ash, % max	ASTM D 5667	0.8
Organic Acid, %	ASTM D 5774	4.9 - 7.1
Soap, % max	ASTM D 5774	0.3
Bound Styrene, %	ASTM D 5775	22.5 - 24.5

### Physical properties

Property	Test method	Value
Mooney Viscosity (ML1+4 at 100°C), MU	ASTM D1646	46 - 56
*Compound Mooney Viscosity, (ML1+4 at 100°C), MU max.	ASTM D1646	75
Tensile Strength, MPa min.	ASTM D 3185	21.5
Modulus, MPa	ASTM D 3185	15.5
Elongation at break, MPa min.	ASTM D 3185	460

### Rheometrical Test (ODR2000)

Property	Test method	Value
ML, Lb/in	ASTM D 2084	6.0 - 9.4
MH, Lb/in	ASTM D 2084	36.7 - 42.7
t <sub>s1</sub> , minutes	ASTM D 2084	2.6 - 5.5
t <sub>c</sub> (50), minutes	ASTM D 2084	5.2 - 9.2
t <sub>c</sub> (90), minutes	ASTM D 2084	15.2 - 20.0

(\* )ASTMD 3185-1A TEST RECIPE

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