

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 ± 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	ASTMD 5668	0.8
Ash, % max	ASTMD 5667	0.8
Organic Acid, %	ASTMD 5774	4.9 - 7.1
Soap, % max	ASTMD 5774	0.3
Bound Styrene, %	ASTMD 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.	ASTMD 3185	21.5
Modulus, MPa	ASTMD 3185	15.5
Elongation at break, MPa min.	ASTMD 3185	460

Rheometrical Test (ODR2000)

Property	Test method	Value
ML, Lb/in	ASTMD 2084	6.0 - 9.4
MH, Lb/in	ASTMD 2084	36.7 - 42.7
t_{s1} , minutes	ASTMD 2084	2.6 - 5.5
$t_c(50)$, minutes	ASTMD 2084	5.2 - 9.2
$t_c(90)$, minutes	ASTMD 2084	15.2 - 20.0

(*) *ASTMD 3185-1A TEST RECIPE*

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