

Description

Emulprene 1723 is a styrene – butadiene copolymer, cold emulsion polymerized using fatty and rosin acid as emulsifier, coagulated by salt-acid system and it is extended utilizing 37.5 PHR of TDAE (Treated Distillate Aromatic Extract) an environment friendly oil which complies with the EU directives.

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 1723 is used in the manufacture of tires and industrial products for its excellent processing properties.

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 1723 Safety Data Sheet (SDS) for more detailed handling and storage information.

Chemical properties

Property	Test method	Value
Volatile matter, % Max.	ASTM D5668	0.8
Ash, % Max.	ASTM D5667	0.8
Organic Acid, %, Min.	ASTM D5774	4.5 – 7.5
Soap, % Max.	ASTM D5774	0.5
Oil, %	ASTM D5775	25.8 – 28.8
Bound Styrene, %	ASTM D5775	22.5 – 24.5

Physical properties

Property	Test method	Value
Mooney Viscosity, (ML1+4 at 100°C), MU	ASTM D1646	42 – 55
*Compound Mooney Viscosity, (ML1+4 at 100°C), MU Max.	ASTM D1646	67
Tensile Strength, MPa, Min.	ASTM D412	20.4
Modulus at 300%, MPa	ASTM D412	5.6 – 11.1
Elongation at break, %, Min.	ASTM D412	500

Rheometrical Test (ODR2000)

Property	Test method	Value
ML, lb-in	ASTM D2084	4.7 – 7.9
MH, lb-in	ASTM D2084	26.2 – 32.0
t_{s1} , min	ASTM D2084	3.7 – 6.7
$t_c(90)$, min	ASTM D2084	11.3 – 18.4

(*) ASTM D3185-2B TEST RECIPE

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