

SBR 1502

Cold Polymerized Emulsion Styrene Butadiene Rubber (SBR)

Description

SBR 1502 is a cold polymerized, 23.5% styrene SBR polymer made with a mixed-acid emulsifier, non-staining stabilizer, and salt-acid coagulation.

SBR 1502 exhibits the excellent tensile strength, abrasion resistance, flexibility and recovery properties that are characteristic of "cold" rubbers. This non-staining, non-discolouring polymer offers a complete range of bright, colourful stocks capable of satisfying requirements in a variety of products.

End Use

End uses include white sidewall tires, footwear, light and dark coloured mechanical goods and miscellaneous items where excellent physical properties and minimum discoloration and staining are required.

Features

- Light tan colour
- Excellent tensile strength
- High abrasion and tear resistance
- High processability compared to natural rubber
- Easy vulcanization and stable scorch properties

Packing

- 35 kg bales
- 30 bales per crate (1.05 MT)

Origin

Producer: LG Chemical
Country: South Korea

Raw Polymer: Chemical Analysis

Property	Unit	Typical	Specification
Bound Styrene	%	23.5	23.5 target
Volatile Matter	%	0.3	0.5 max
Ash	%	0.2	1.0 max
Organic Acid	%	5.8	-
Specific Gravity		0.94	-
Mooney Viscosity*	ML ₁	52	-

* ML 1+4 (100°C)

Test Compound Properties

Property	Unit	Typical	Test Method
Tensile	kg/cm ²	300	ASTM D412*
Elongation	%	470	ASTM D412*
300% Modulus	kg/cm ²	185	ASTM D412*
ts1	min	2.5	ASTM D5289**
t'50	min	8.7	ASTM D5289**
t'90	min	16.5	ASTM D5289**

* Cure: 35 minutes at 145°C

** 160°C, 1°Arc

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