



PRODUCT DATA

COPO® 1500

COPO®1500 is a general purpose staining SBR polymer produced by the cold emulsion process. It is designed for applications requiring excellent physical properties and abrasion characteristics. COPO®1500 is recommended for tires, retread stocks, conveyor belts, and molded and extruded mechanical goods.

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Description

23.5% Bound Styrene SBR	100.0 parts
Stabilizer	Staining
Emulsifier	Rosin Acid
Coagulant	Acid
Specific Gravity	0.94

Specifications

Volatile content, % max.	0.75
Organic Acid content, %	6.00 ± 1.00
Raw Viscosity	51 ± 5

Rheometer Properties

ML, in-lbs.	2.6 ± 1.0
MH, in-lbs.	18.4 ± 2.0
ts1, minutes	2.7 ± 1.2
t'90, minutes	12.7 ± 2.5

Stress Strain Properties, PSI

Tensile	3300 min.
300% Modulus	2300 ± 300
Elongation%	350 min

Standard Test Formula

COPO ® 1500	100.00
IRB#7 Carbon Black	50.00
Zinc Oxide	3.00
TBBS	1.00
Sulfur	1.75
Stearic Acid	1.00

Test Methods

Volatiles	ASTM D5668
Acid	ASTM D5774
Raw Mooney Viscosity	ASTM D1646 MML1+4@100 °C
Rheometer Properties	ASTM D5289 100cpm, 0.5 degree arc, 160 °C, 0 preheat
Stress Strain	ASTM D412 Cured 35' @ 145°C
MIM mix	ASTM D3185-1A

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