



PRODUCT DATA

COPO® 1500C

COPO®1500C 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®1500C is recommended for tires, retread stocks, conveyor belts, and molded and extruded mechanical goods.

COPO®1500C is supplied as a crumb rather than in bale form.

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

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