



PRODUCT DATA

COPO® 1502

COPO®1502 is a clear non-staining SBR polymer produced by the cold emulsion process. It is recommended for tires (especially white sidewalls), mechanical goods, sporting goods, floor coverings, shoe soles and heels, toys, and general purpose applications where color stability or freedom from staining is important. COPO® 1502 also falls within the guidelines of the FDA regulations for certain food contact applications.

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Description

23.5% Bound Styrene SBR	100.0 parts
Stabilizer	Non-staining
Emulsifier	Mixed 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.	18.7 ± 2.0
ts1, minutes	3.0 ± 1.2
t'90, minutes	12.4 ± 2.5

Stress Strain Properties, PSI

Tensile	3250 min.
300% Modulus	2350 ± 300
Elongation%	350 min

Standard Test Formula

COPO® 1502	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 ASTM D5289 100cpm, 0.5 degree arc, 160°C, 0 preheat
Stress Strain	ASTM D412 Cured 35' @ 145°C
MIM mix	ASTM D3185-1A

5955 Scenic Highway • Baton Rouge, LA 70805-2044
800 / 535-9960 • www.lioncopolymer.com

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