



PRODUCT DATA

COPO® 1712G

COPO®1712G is a general purpose, oil extended SBR made by the cold emulsion process. It is used in applications requiring excellent abrasion resistance, including tires and tread, camelback, and molded and extruded goods. Other Mooney viscosity grades of this product are also available to meet different processing requirements.

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Description

23.5% Bound Styrene SBR	100.0 parts
Highly Aromatic Oil	37.5 parts
Stabilizer	Staining
Emulsifier	Mixed Acid
Coagulant	Acid
Specific Gravity	0.95

Specifications

Volatile content, % max.	0.75
Organic Acid content, %	4.6 ± 1.4
Oil Content, %	27.1 ± 1.6
Raw Viscosity	51.0 ± 6

Rheometer Properties

ML, in-lbs.	2.8 ± 1.0
MH, in-lbs.	12.9 ± 2.0
ts1, minutes	3.6 ± 1.2
t'90, minutes	11.3 ± 2.5

Stress Strain Properties, PSI

Tensile	2850 min.
300% Modulus	1450 ± 300
Elongation%	450 min

Standard Test Formula

COPO ® 1712G	137.50
IRB#7 Carbon Black	68.75
Zinc Oxide	3.00
TBBS	1.38
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 D3185-2B

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C1712G issued 10/10; supersedes all previous