



PRODUCT DATA

COPO[®] 1712C

COPO[®]1712C 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	46.5 ± 4.5

Rheometer Properties

ML, in-lbs.	2.5 ± 1.0
MH, in-lbs.	12.6 ± 2.0
ts1, minutes	3.7 ± 1.2
t'90, minutes	11.0 ± 2.5

Stress Strain Properties, PSI

Tensile	2800 min.
300% Modulus	1400 ± 300
Elongation%	450 min

Standard Test Formula

COPO [®] 1712C	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
Rheometer Properties	ASTM D5289
	MML1+4@100° C
	100cpm,
	0.5 degree arc,
	160° C, 0 preheat
Stress Strain	ASTM D412
MIM mix	ASTM D3185-2B
	Cured 35' @ 145°C

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