



PRODUCT DATA

CARBOMIX® 1608

CARBOMIX®1608 is a general purpose SBR oil/black masterbatch based on a cold polymerized polymer. It offers excellent physical properties and outstanding processing characteristics due to the complete dispersion of the carbon black and processing oil in the polymer. CARBOMIX®1608 is recommended for use in tires, tread rubber, and molded and extruded mechanical goods.

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Description

23.5% Bound Styrene SBR	100.0 parts
N220 Carbon Black(HAF)	52.0 parts
Highly Aromatic Oil	12.5 parts
Stabilizer	Staining
Emulsifier	Rosin Acid
Coagulant	Acid
Specific Gravity	1.13

Specifications

Volatile content, % max.	0.50
Oil Content, %	7.60 ± 0.80
Carbon Black Content, %	31.60 ± 1.5
Unmilled Viscosity	70 ± 10

Rheometer Properties

ML, in-lbs.	2.2 ± 1.0
MH, in-lbs.	15.8 ± 2.0
ts1, minutes	4.5 ± 1.2
t'90, minutes	14.4 ± 2.5

Stress Strain Properties, PSI

Tensile	TBD min.
300% Modulus	1250 ± 300
Elongation%	550 min

Standard Test Formula

CARBOMIX® 1608	164.50
Zinc Oxide	3.00
Stearic Acid	1.50
TBBS	1.25
Sulfur	1.75

Test Methods

Volatiles	ASTM D5668
Acid/Oil	ASTM D5774
Unmilled Mooney Viscosity	ASTM D1646
Rheometer Properties	ASTM D5289
	UMS1+4@100° C
	100cpm,
	0.5 degree arc,
	160° C, 0 preheat
Stress Strain	ASTM D412
MIM mix	ASTM D3186
	Cured 35' @ 145° C

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

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