



## PRODUCT DATA

### CARBOMIX® 3651

CARBOMIX® 3651 is a high quality SBR oil/black masterbatch based on a cold polymerized emulsion polymer. It is similar to the black masterbatch 1608.

CARBOMIX®3651 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
N234 Carbon Black (ISAF-HS)	52.0 parts
Highly Aromatic Oil	10.0 parts
Stabilizer	Staining
Emulsifier	Mixed Acid
Coagulant	Acid
Specific Gravity	1.12

#### Specifications

Volatile content, % max.	0.50
Organic Acid content, %	3.50 ± 1.00
Oil Content, %	6.15 ± 0.65
Carbon Black Content, %	31.95 ± 1.75
Unmilled Viscosity	60 ± 10

#### Rheometer Properties

ML, in-lbs.	1.9 ± 1.0
MH, in-lbs.	16.5 ± 2.0
ts1, minutes	3.3 ± 1.2
t'90, minutes	11.3 ± 2.5

#### Stress Strain Properties, PSI

Tensile	3000 min.
300% Modulus	1600 ± 300
Elongation%	430 min

#### Standard Test Formula

CARBOMIX®3651	162.00
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

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CB3651 issued 10/10; supersedes all previous