



## PRODUCT DATA

### CARBOMIX® 1848K

CARBOMIX®1848K is designed especially for tread rubber and extruded goods. This masterbatch produces compounds with excellent extrusion characteristics, abrasion resistance, and tread wear approaching that of equivalent ISAF masterbatches, but at a lower cost. This low Mooney version (CARBOMIX®1848K) is designed for operations such as mill mixing that require easier processing.

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#### Description

23.5% Bound Styrene SBR	100.0 parts
N339 Carbon Black(HAF-HS)	82.5 parts
Highly Aromatic Oil	62.5 parts
Stabilizer	Staining
Emulsifier	Fatty Acid
Coagulant	Acid
Specific Gravity	1.14

#### Specifications

Volatile content, % max.	0.50
Organic Acid content, %	3.00 ± 1.00
Oil Content, %	25.45 ± 1.45
Carbon Black Content, %	33.55 ± 1.75
Unmilled Viscosity	55 ± 10

#### Rheometer Properties

ML, in-lbs.	1.6 ± 1.0
MH, in-lbs.	8.3 ± 2.0
ts1, minutes	5.0 ± 1.2
t'90, minutes	14.1 ± 2.5

#### Stress Strain Properties, PSI

Tensile	1700 min.
300% Modulus	720 ± 300
Elongation%	670 min

#### Standard Test Formula

CARBOMIX®1848K	245.00
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	UMS1+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 D3186	

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