



PRODUCT DATA

CARBOMIX® 1847R

CARBOMIX®1847R is designed especially for operations where fast, smooth extrusions are necessary. This masterbatch, based on a cold-polymerized polymer, gives compounds with excellent extrusion characteristics, and tread wear equivalent to ISAF masterbatches of similar compositions, but at a lower cost. A low Mooney version (CARBOMIX®1847K) is available 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)	75.0 parts
Highly Aromatic Oil	50.0 parts
Stabilizer	Staining
Emulsifier	Mixed Acid
Coagulant	Acid
Specific Gravity	1.14

Specifications

Volatile content, % max.	0.50
Organic Acid content, %	3.00 ± 1.00
Oil Content, %	22.15 ± 1.35
Carbon Black Content, %	33.20 ± 1.70
Unmilled Viscosity	75 ± 10

Rheometer Properties

ML, in-lbs.	2.0 ± 1.0
MH, in-lbs.	10.0 ± 2.0
ts1, minutes	4.3 ± 1.2
t'90, minutes	13.0 ± 2.5

Stress Strain Properties, PSI

Tensile	2300 min.
300% Modulus	950 ± 300
Elongation%	580 min

Standard Test Formula

CARBOMIX®1847R	225.00
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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