



PRODUCT DATA

CARBOMIX® 1815K

CARBOMIX®1815K is an economical cold emulsion oil extended SBR masterbatch with a high level of HAF carbon black and non-staining oil. This low Mooney version of CARBOMIX®1815R 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
N330 Carbon Black(HAF)	75.0 parts
Treated Naphthenic Oil	50.0 parts
Stabilizer	Non-Staining
Emulsifier	Mixed Acid
Coagulant	Acid
Specific Gravity	1.12

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	60 ± 10

Rheometer Properties

ML, in-lbs.	1.7 ± 1.0
MH, in-lbs.	9.4 ± 2.0
ts1, minutes	4.1 ± 1.2
t'90, minutes	14.9 ± 2.5

Stress Strain Properties, PSI

Tensile	2000 min.
300% Modulus	950 ± 300
Elongation%	550 min

Standard Test Formula

CARBOMIX®1815K	225.00
Zinc Oxide, NBS	3.00
Stearic Acid, NBS	1.50
TBBS, NBS	1.25
Sulfur, NBS	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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