



PRODUCT DATA

CARBOMIX® 1805

CARBOMIX®1805 is a non-staining oil extended cold emulsion SBR masterbatch with a high level of HAF carbon black. It is an economical masterbatch specifically designed for use in high quality molded and extruded mechanical goods.

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Description

23.5% Bound Styrene SBR	100.0 parts
N330 Carbon Black(HAF)	75.0 parts
Treated Naphthenic Oil	37.5 parts
Stabilizer	Non-Staining
Emulsifier	Mixed Acid
Coagulant	Acid
Specific Gravity	1.13

Specifications

Volatile content, % max.	0.50
Organic Acid content, %	3.25 ± 1.00
Oil Content, %	17.55 ± 1.15
Carbon Black Content, %	35.10 ± 1.80
Unmilled Viscosity	70 ± 10

Rheometer Properties

ML, in-lbs.	2.1 ± 1.0
MH, in-lbs.	11.5 ± 2.0
ts1, minutes	3.2 ± 1.2
t'90, minutes	13.5 ± 2.5

Stress Strain Properties, PSI

Tensile	2300 min.
300% Modulus	1350 ± 300
Elongation%	450 min

Standard Test Formula

CARBOMIX®1805	212.50
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	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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CB1805 issued 10/10; supersedes all previous