



PRODUCT DATA

CARBOMIX® 1605

CARBOMIX® 1605 is a non-staining cold emulsion SBR black masterbatch containing no oil. It is recommended for high quality extruded and molded mechanical goods. CARBOMIX® 1605 exhibits excellent processing characteristics and is suitable for applications requiring non-staining compounds.

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Description

23.5% Bound Styrene SBR	100.0 parts
N550 Carbon Black(FEF)	50.0 parts
Stabilizer	Non-Staining
Emulsifier	Mixed Acid
Coagulant	Acid
Specific Gravity	1.12

Specifications

Volatile content, % max.	0.50
Organic Acid content, %	3.75 ± 1.00
Carbon Black Content, %	33.15 ± 1.75
Unmilled Viscosity	70 ± 10

Rheometer Properties

ML, in-lbs.	1.8 ± 1.0
MH, in-lbs.	18.4 ± 2.0
ts1, minutes	3.9 ± 1.2
t'90, minutes	11.5 ± 2.5

Stress Strain Properties, PSI

Tensile	2500 min.
300% Modulus	2080 ± 300
Elongation%	330 min

Standard Test Formula

CARBOMIX®1605	150.00
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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