



## PRODUCT DATA

### COPO<sup>®</sup> 1778

COPO<sup>®</sup>1778 is a non-staining, oil extended SBR produced by the cold emulsion process. Its 37.5 phr of non-staining oil makes it a 1712-type polymer that can be used in floor tile, shoe soles, and other products that require color stability and freedom from staining.

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#### Description

23.5% Bound Styrene SBR	100.0 parts
Naphthenic Oil	37.5 parts
Stabilizer	Non-staining
Emulsifier	Mixed Acid
Coagulant	Acid
Specific Gravity	0.93

#### Specifications

Volatile content, % max.	0.75
Organic Acid content, %	4.6 ± 1.4
Oil Content, %	27.1 ± 1.6
Raw Viscosity	50 ± 6

#### Rheometer Properties

ML, in-lbs.	3.0 ± 1.0
MH, in-lbs.	13.1 ± 2.0
ts1, minutes	3.4 ± 1.2
t'90, minutes	12.7 ± 2.5

#### Stress Strain Properties, PSI

Tensile	2550 min.
300% Modulus	1700 ± 300
Elongation%	350 min

#### Standard Test Formula

COPO <sup>®</sup> 1778	137.50
IRB#7 Carbon Black	68.75
Zinc Oxide, NBS	3.00
TBBS	1.38
Sulfur	1.75
Stearic Acid	1.00

#### Test Methods

Volatiles	ASTM D5668
Acid/Oil	ASTM D5774
Raw Mooney Viscosity	ASTM D1646 MML1+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 D3185-2B

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C1778 issued 10/10; supersedes all previous