

TECHNICAL DATA SHEET SBR 1502 (GRANULATE)

1502 is a clear non-staining SBR polymer produced by the cold emulsion process. It is recommended for tires (especially White sidewalls), mechanical goods, sporting goods, floor coverings, shoe soles and heels, toys, and general purpose applications where color stability or freedom from staining is important. 1502 also falls within the guidelines of the FDA regulations for certain food contact applications.

PRODUCT DATA

Description

23.5% Bound Styrene SBR 100.0 parts
Stabilizer Non-staining
Emulsifier Mixed Acid
Coagulant Acid
Specific Gravity 0.94

Specifications

Volatile content, % max. 0.50
Organic Acid content, % 6.00 ± 1.00
Raw Viscosity 51 ± 5
Rheometer Properties
ML, in-lbs. 2.6 ± 1.0
MH, in-lbs. 18.7 ± 2.0
ts1, minutes 3.0 ± 1.2
t'90, minutes 12.4 ± 2.5
Stress Strain Properties, PSI
Tensile 3250 min.
300% Modulus 2350 ± 300
Elongation% 350 min

Standard Test Formula

COPO ® 1502 100.00
IRB#7 Carbon Black 50.00
Zinc Oxide 3.00
TBBS 1.00
Sulfur 1.75
Stearic Acid 1.00

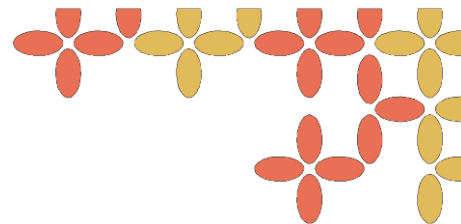
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Test Methods

Volatiles ASTM D5668

Acid 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' @ 145C

MIM mix ASTM D3185-1^a

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