

SBR 1502

Polymerization System	-- Cold emulsion Polymerization
Emulsifier	-- Mixed acid soap
Stabilizer	-- Non-Staining, Non-discoloring
Coagulant	-- Acid

Characteristics -- Bright colored stock with excellent color stability. Improved abrasion resistance, flexibility.

Use -- Tire whitewalls and carcasses, a range of mechanical goods such as white or light colored sporting goods, floor coverings, shoes and heels and refrigerator gaskets.

		<u>Specification Values</u>		
<u>POLYMER PROPERTIES</u>		<u>minimum.</u>	<u>maximum</u>	<u>Test Method</u>
Bound Styrene	(%)	22.5	24.5	ASTM D-5775
Volatile Matter	(%)	-----	0.75	ASTM D-5668
Ash	(%)	-----	0.75	ASTM D-5667
Organic Acid	(%)	4.75	7.00	ASTM D-5774
Soap	(%)	-----	0.50	ASTM D-5774
Mooney Viscosity, ML ₁₊₄ , 100°C		46	58	ASTM D-1646

COMPOUND PROPERTIES (Test Recipe ASTM D-3185; Cure @ 145°C)

Tensile Strength	35'	(kg/cm ²)	230	---	ASTM D-412
Elongation	35'	(%)	330	---	ASTM D-412
300% Modulus	25'	(kg/cm ²)	130	170	ASTM D-412
	35'	(kg/cm ²)	160	200	ASTM D-412
	50'	(kg/cm ²)	175	215	ASTM D-412

<u>Test Recipe, ASTM D-3185</u>	<u>Parts</u>
Taipol SBR-1502	100.00
Zinc oxide	3.00
Stearic acid	1.00
Sulfur	1.75
HAF black (IRB#7)	50.00
<u>TBBS</u>	<u>1.00</u>
Total	156.75