



SBR-1502 Polymer Data

- 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, where excellent physical properties and non-staining antioxidant are required.
 Application -- Tires (especially white sidewall), shoe soles and heels , sporting goods, floor coverings, industrial goods (especially light colored goods) and miscellaneous items

Specification Values

<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

* Massed sample

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

Test Recipe, ASTM D-3185

Parts

Taipol SBR-1502	100.00
Zinc oxide	3.00
Stearic acid	1.00
Sulfur	1.75
HAF black(IRB#9)	50.00
<u>TBBS</u>	<u>1.00</u>
Total	156.75

