

TAIPOL

DATA SHEET



SBR-1500E Polymer Data

Polymerization System	:	Cold emulsion Polymerization
Emulsifier	:	Rosin Acid Soap
Stabilizer	:	Staining
Coagulant	:	Acid
Characteristics	:	Better physical properties than its corresponding hot rubber, excellent tack properties and good wear and flexing resistance.
Application	:	Tires, camelback, conveyor belt, rubber sheets or clothes as well as molded or extruded mechanical goods.

SPECIFICATION VALUES

POLYMER PROPERTIES		Minimum	Maximum	Test Method
Bound Styrene	(%)	22.5	24.5	ASTM D-5775
Volatile Matter	(%)	-----	0.75	ASTM D-5668
Ash	(%)	-----	1.00	ASTM D-5667
Organic Acid	(%)	5.00	7.25	ASTM D-5774
Mooney Viscosity, ML ₁₊₁₀ , 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)	210	-----	ASTM D-412
Elongation	35' (%)	400	-----	ASTM D-412
300% Modulus	25' (kg/cm ²)	115	155	ASTM D-412
	35' (kg/cm ²)	150	190	ASTM D-412
	50' (kg/cm ²)	170	210	ASTM D-412

Test Recipe, ASTM D-3185	Parts
Taipol SBR-1500E	100.00
Zinc oxide	3.00
Stearic acid	1.00
Sulfur	1.75
HAF Black (IRB#7)	50.00
TBBS	1.00
Total	156.75

Limited Warranty

There are no warranties which extend beyond the product description herein, and seller makes no warranty, express or implied, of fitness for particular use, merchantability or otherwise with respect to product, whether used singly or in combination with other substances or in any process, except that product sold hereunder shall conform to seller's standard sales specifications as of the date of the shipment. Without limiting the foregoing, seller does not recommend or endorse the use of product(s) in any medical application and specifically disclaims any representation or warranty, express or implied, of suitability or fitness for use or otherwise, with respect to product(s)' use in any medical application. Buyer represents and warrants that no product(s) purchased hereunder will be used in or resold into any commercial or developmental manner in connection with medical applications without seller's prior express written acknowledgement, further, buyer agrees that it will make no representations, express or implied, to any person to the effect that seller recommends or endorses the use of products(s) purchased hereunder in any medical application.