台橡股份有限公司
TSRC CORPORATION

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 minimum.	Values maximum	Test Method
POLYMER PROPERTIES				
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℃*		46	58	ASTM D-1646

* Massed sample

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

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
TBBS	1.00
Total	156.75