台橡股份有限公司
TSRC CORPORATION

SBR-1712E Polymer Data

Polymerization System	--	Cold emulsion Polymerization
Emulsifier	--	Mixed acid soap
Stabilizer	--	Staining
Coagulant	--	Acid
Extender	--	Highly aromatic oil, 37.5 phr
Characteristics	--	Superior processing properties with extender oil, good wear, tear and cracking resistance
Application	--	Tire, footwear, conveyor belts, camelback, molded and extruded industrial 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	(%)	3.90	5.70	ASTM D-5774
Mooney Viscosity, ML_{1+4},100℃*		42	56	ASTM D-1646

* Massed sample

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

Tensile Strength	35'	(kg/cm^2)	180	-----	ASTM D-412
Elongation	35'	(%)	420	-----	ASTM D-412
300% Modulus	25'	(kg/cm^2)	70	110	ASTM D-412
	35'	(kg/cm^2)	85	125	ASTM D-412
	50'	(kg/cm^2)	100	140	ASTM D-412

Test Recipe, ASTM D-3185	**Parts**
Taipol SBR-1712E	137.50
Zinc oxide	3.00
Stearic acid	1.00
Sulfur	1.75
HAF black(IRB#9)	68.75
TBBS	1.38
Total	213.38