



SBR-1723 Polymer Data

- Polymerization System -- Cold emulsion Polymerization
- Emulsifier -- Mixed acid soap
- Stabilizer -- Staining
- Coagulant -- Acid
- Extender -- 37.5 phr TDAE(Treated Distillate Aromatic Extract) oil possessing PCA(Poly Cyclic Aromatics)content less than3% (IP346 method) , PAHs(Poly Aromatic Hydrocarbons) less than 10 ppm which is compliant with the European directive 2005/69/EC ,
- Characteristics -- Superior processing properties , good wear , tear and cracking resistance.
Free from nitrosating agents and pre-formed nitrosamines,
Containing non-toxic extender oil
- Application -- An environmental-friendly rubber for tire , shoe sole , carpet , conveyor belts , molded and extruded in general purpose. It can be processed in all sectors of the tire and rubber industry.

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	(%)	-----	1.00	ASTM D-5667
Organic Acid	(%)	3.90	5.70	ASTM D-5774
Mooney Viscosity, ML ₁₊₄ ,100°C *		38	52	ASTM D-1646

* Massed sample

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

Tensile Strength	35'	(kg/cm ²)	180	---	ASTM D-412
Elongation	35'	(%)	420	---	ASTM D-412
300% Modulus	25'	(kg/cm ²)	75	115	ASTM D-412
	35'	(kg/cm ²)	90	130	ASTM D-412
	50'	(kg/cm ²)	105	145	ASTM D-412



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<u>Test Recipe, ASTM D-3185</u>	<u>Parts</u>
Taipol SBR-1723	137.50
Zinc oxide	3.00
Stearic acid	1.00
Sulfur	1.75
HAF black(IRB#8)	68.75
<u>TBBS</u>	<u>1.38</u>
Total	213.38

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 product(s) purchased hereunder in any medical application.

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