



SSBR-2466 Polymer Data

Polymerization System	Solution Polymerization, styrene butadiene random copolymer
Stabilizer	Non-staining
Characteristics	Light colored stock, High strength, better resilience and rolling resistance
Application	Tire, footwear and industrial goods.

<u>Polymer Properties</u>	<u>Unit</u>	<u>Specification Range</u>		<u>Test Method</u>
		<u>min.</u>	<u>max.</u>	
Mooney Viscosity, ML <sub>1+4</sub> *		70	80	ASTM D-1646
Bound Styrene	(%)	20	22	K62-TPPC-21
1,2-Vinyl**	(%)	68 (Typical)		K62-TPPC-21
Tg	(°C)	-21 (Typical)		ASTM D-3418
Volatile Matter	(%)	-----	0.75	K62-TPFP-01
Ash	(%)	-----	0.5	ASTM D-5667

\*ML1+4, 100°C, Massed

\*\*Vinyl content in Butadiene

<u>COMPOUND PROPERTIES</u>	Curing	@145°C	<u>Test Method</u>
Tensile Strength	35'	(kg/cm <sup>2</sup> ) 100	----- ASTM D-412
Elongation	35'	(%) 400	----- ASTM D-412
300% Modulus	35'	(kg/cm <sup>2</sup> ) 50	----- ASTM D-412

<u>Test Recipe</u>	<u>Parts</u>
SSBR-2466	100
N330	50
Dark oil	10
Wax	1.5
S.A	2
ZnO	4
A.O(3C)	1
CZ	1
S	1.75
Total	171.25

