



SSBR-1453 Polymer Data

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

<u>Polymer Properties</u>	<u>Specification Range</u>		<u>Test Method</u>
	<u>min</u>	<u>max</u>	
Mooney Viscosity, ML ₁₊₄ *	49	61	ASTM D-1646
Bound Styrene (%)	9.0	11.0	K62-TPPC-21
1,2-Vinyl** (%)	40.0	typical	K62-TPPC-21
Volatile matter (%)	-----	1.0	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 ²)	100	-----	ASTM D-412
Elongation 35'	(%)	300	-----	ASTM D-412

<u>Test Recipe</u>	<u>Parts</u>
SSBR-1453	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