



NORTH SHORE TECHNOLOGIES

Technical Data Sheet SXBR-4565 SBR Molding Compound

Description:

SXBR-4565 is an SBR (styrene-butadiene rubber) molding compound made using North Shore Rubber's sustainably produced Tire-Derived Polymer (TDP), containing 45% of the re-engineered material. It is supplied as a black compound, fully formulated, in strips or sheets.

Applications:

This compound can be used for any mechanical good where SBR is used. SBR offers improved abrasion resistance versus natural rubber. SBR compounds are used in the automotive, industrial, and construction products markets. Applications include automotive mats, pads, bumpers, and gaskets, among others. The compound meets the requirements of the ASTM D2000 M4AA710 A13 B13 specification.

Typical Properties:

Changes in processing conditions or cure packages can result in different properties. Compound properties can be optimized or customized per individual requirements and applications. Other data can be provided upon request.

	Method	Typical Value	D2000 Requirement
Specific Gravity	calculated	1.16	N/A
Hardness	ASTM D412, Shore A	65	65-75
Original Physicals	ASTM D2240, Die C, 20"/min		
Ultimate Tensile Strength	psi (MPa)	1900 (10)	1450 minimum
Elongation at Break	%	320	250 minimum
200% Modulus	psi (MPa)	950 (6.55)	N/A
Heat Aging, 70hrs at 70°C	ASTM D865; Die C, 20"/min		
Hardness	pts change	+5	+10 max
Ultimate Tensile Strength	% change	-20	-25 max
Elongation at Break	% change	-20	-25 max
Compression Set	ASTM D395, Method B		
22hrs, 70°C	%	17	25 max
Tear Resistance	ASTM D624, Die C, 20"/min		
Tear Strength	lbf/in (kN/m)	135 (23.6)	N/A

Questions? Need Customization? Contact info@northshorerubber.com

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