



NORTH SHORE TECHNOLOGIES

# Technical Data Sheet SXBR-2162 Grade 2 Conveyor Belt Cover SBR Compound

### Description:

SXBR-2162 is an SBR (styrene-butadiene rubber) wear-resistant compound made using North Shore Rubber's sustainably produced Tire-Derived Polymer (TDP), containing 21% of the re-engineered material. It is supplied as a black compound, fully formulated, in strips or sheets.

### Applications:

This compound is an abrasion-resistant rubber and can be used for RMA Grade 2 conveyor belt covers.

### 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 | RMA Requirement |
|---|----------------------------|---------------|-----------------|
| <b>Specific Gravity</b>                             | ASTM D792                  | 1.13          | N/A             |
| <b>Hardness</b>                                     | ASTM D412, Shore A         | 62            | N/A             |
| <b>Original Physicals</b>                           | ASTM D2240, Die C, 20"/min |               |                 |
| Ultimate Tensile Strength                           | psi (MPa)                  | 2080 (14.3)   | 2000 minimum    |
| Elongation at Break                                 | %                          | 415           | 400 minimum     |
| 200% Modulus  | psi (MPa)                  | 725 (5)       | N/A             |
| <b>Heat Aging, 70hrs at 70°C</b>                    | ASTM D865; Die C, 20"/min  |               |                 |
| Hardness  | pts change                 | +3            | N/A             |
| Ultimate Tensile Strength                           | % change                   | -2            | N/A             |
| Elongation at Break                                 | % change                   | -21           | N/A             |
| <b>Compression Set</b>                              | ASTM D395, Method B        |               |                 |
| 22hrs, 70°C   | %                          | 20            | N/A             |
| <b>DIN Abrasion, control<br/>abrasive grade 201</b> | DIN 53 516 / ASTM D5963    |               |                 |
| Median  | mm <sup>3</sup>            | 150           | N/A             |
| <b>Tear Resistance</b>                              | ASTM D624, Die C, 20"/min  |               |                 |
| Tear Strength                                       | lbf/in (kN/m)              | 175 (30.6)    | N/A             |

Questions? Need Customization? Contact [info@northshorerubber.com](mailto:info@northshorerubber.com)

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