

# DURAFLEX™ 190S SBS

## Technical Data Sheet

**Product Name:** DuraFlex™ 190S SBS

**Classification:** SBS Modified Bitumen Roof Membrane

**Product Description:** DuraFlex™ 190S SBS is a smooth surfaced, premium SBS (Styrene-Butadiene-Styrene) mop or cold applied membrane. Manufactured with a non-woven polyester mat for high tear strength and puncture resistance. DuraFlex™ 190S SBS is saturated and coated with a premium quality, asphaltic bitumen and SBS elastomers for a highly durable, flexible and easily maintainable membrane. It is designed for use as a base sheet in modified bitumen and built-up roof systems or as a cap sheet when surfaced with a flood coat of asphalt and gravel.

**Application Method:** DuraFlex™ 190S SBS is applied using compatible hot asphalt or SBS cold adhesive.

**Approvals:** Meets ASTM D 6164 Type I, Grade S. U.S. Ply products are listed or approved with Underwriter's Laboratories (UL) and Factory Mutual (FM). Contact U.S. Ply, Inc. for specific/applicable codes.

**Product Data:** DuraFlex™ 190S SBS (typical)

Thickness: 3.0 mm (120 mils)

Weight: 88 lbs/roll (40 kg/m<sup>2</sup>)

Roll Dimensions: 39 3/8" x 32' 9" (1m x 10m). Each roll is approximately 107.6 sq. ft.

<b>Physical Properties (ASTM D 5147):</b>	<b>Test Results</b>	<b>ASTM D 6164 Minimum</b>
Tensile Strength (lbf/in), 0°F, (MD/XMD)	108/87	70 lbf/in
Tensile Strength (lbf/in), 73°F, (MD/XMD)	103/74	50 lbf/in
Elongation (% @ Max Load), 0°F, (MD/XMD)	35/26	20%
Elongation (% @ Max Load), 73°F, (MD/XMD)	46/57	35%
Elongation (% @ 5%, Max Load), 73°F, (MD/XMD)	57/68	38%
Tear Strength (lbf), (MD/XMD), 73°F, minimum	115/92	55 lbf
Low Temperature Flexibility, (°F), maximum	0°F (-18°C)	0°F
Dimensional Stability, %, maximum	< 0.2%	1%
High Temperature Stability, (°F)	215°F (101°C)	215°F

All values given are approximate and are subject to change without notice. There is no implied or express warranty given through these values or statements, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by "in-house" and independent "third party" evaluation for the purpose of classification and or approval. Acceptance, purchase and selection of these products are the sole responsibility of the buyer or buyer's representative.

***U.S. PLY, INC.***

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