

# DURAFLEX™ 250FR TG SBS

## Technical Data Sheet

**Product Name:** DuraFlex™ 250FR TG SBS

**Classification:** SBS Modified Bitumen Roof Membrane

**Product Description:** DuraFlex™ 250FR TG SBS is a fire-resistant, granule surfaced, premium SBS (Styrene-Butadiene-Styrene) torch grade membrane. Manufactured with a heavy-duty, high-performance non-woven polyester mat with a high tensile strength and puncture resistance. DuraFlex™ 250FR TG 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 torch grade cap sheet in modified bitumen and hybrid built-up roof systems.

**Application Method:** DuraFlex™ 250FR TG SBS is applied using torch welding techniques.

**Approvals:** Meets ASTM D 6164 Type II, Grade G and exceeds the performance values of ASTM D 6162 Type I. 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™ 250FR TG SBS (typical)

Thickness: 4.5 mm (177 mils)

Weight: 105 lbs/roll (48 kg/m<sup>2</sup>)

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

**Green Standards Information:** DuraFlex™ 250FRTG SBS contains approximately 4.2% of post consumer recycled materials by product weight. The post consumer recycled materials are derived from recycled post consumer plastics which averts disposal of plastics in landfills or commercial dumps.

<b>Physical Properties (ASTM D 5147):</b>	<b>Test Results</b>	<b>ASTM D 6164 II Minimum</b>
Tensile Strength (lbf/in), 0°F, (MD/XMD)	165/125	100 lbf/in
Tensile Strength (lbf/in), 73°F, (MD/XMD)	162/105	70 lbf/in
Elongation (% @ Max Load), 0°F, (MD/XMD)	57/65	20%
Elongation (% @ Max Load), 73°F, (MD/XMD)	61/78	50%
Elongation (% @ 5%, Max Load), 73°F, (MD/XMD)	65/80	38%
Tear Strength (lbf), (MD/XMD), 73°F, minimum	186/125	70 lbf
Low Temperature Flexibility, (°F), maximum	0°F (-18°C)	0°F
Dimensional Stability, %, maximum	< 0.5%	1%
High Temperature Stability, (°F)	215°F (101°C)	215°F
Granule Embedment, g/m <sup>2</sup> , avg loss	<1.5g	< 2 g

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.

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