

# DURASTAR™ G4 TGW SBS

## Technical Data Sheet

**Product Name:** DuraStar™ G4 TGW SBS

**Classification:** SBS Modified Bitumen Roof Membrane

**Product Description:** DuraStar™ G4 TGW SBS is a fire resistant, white reflective smooth surfaced, premium SBS (Styrene-Butadiene-Styrene) heat weld applied membrane. The surface consists of a factory applied white reflective laminate film as the weathering surface. The membrane is manufactured with a fiberglass mat that is saturated and coated with a premium quality, asphaltic bitumen and SBS elastomers for a durable, flexible and easily maintainable membrane. It is designed for use as a reflective cap sheet in modified bitumen and hybrid built-up roof systems. Note: Finished laps require paint touch up using DuraStar™ Seam Coat. Consult U.S. Ply Technical Department for specific installation requirements when using this product.

**Application Method:** DuraStar™ G4 TGW SBS is applied using heat welding techniques.

**Approvals:** Meets ASTM D 6163 Type I, Grade S. DuraStar™ G4 TGW SBS is FM Approved and meets E108 Class A Fire Classification up to 1-1/2" slope on non-combustible construction. Contact U.S. Ply, Inc. for specific/applicable codes.

**Product Data:** DuraStar™ G4 TGW SBS (typical)

Thickness: 3.5 mm (150 mils)

Weight: 100 lbs/roll (45.3 kg/m<sup>2</sup>)

Roll Dimensions: 39-3/8" x 32' 9" (1m x 10m). Each roll is approximately 1 square applied.

<b>Physical Properties (ASTM D 5147):</b>	<b>Test Results</b>	<b>ASTM D 6163 Minimum</b>
Tensile Strength (lbf/in), 0°F, (MD/XMD)	120/110	70 lbf/in
Tensile Strength (lbf/in), 73°F, (MD/XMD)	105/75	30 lbf/in
Elongation (% @ Max Load), 0°F, (MD/XMD)	4%	1%
Elongation (% @ Max Load), 73°F, (MD/XMD)	3%	2%
Elongation (% @ 5%, Max Load), 73°F, (MD/XMD)	5/7	3%
Tear Strength (lbf), (MD/XMD), 73°F, minimum	105/85	35 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
SRI Index	105.9	E-1980
Solar Reflectivity	0.84	C-1549
Emissivity	0.91	C-1371

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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**Corporate Headquarters: P.O. Box 11740, Fort Worth, Texas 76110**  
**TOLL-FREE: 866-PUSH-PLY (866) 787-4759 • Local: (817) 413-0103 • Fax: (817) 413-8221**  
**Website: [www.usply.com](http://www.usply.com) • Email: [sales@usply.com](mailto:sales@usply.com)**