

# USP™ 160SCA APP

## Technical Data Sheet

**Product Name:** USP™ 160SCA APP

**Classification:** APP Modified Bitumen Roof Membrane

**Product Description:** USP™ 160SCA APP is a tough smooth surfaced, APP (Atactic Polypropylene) cold adhesive applied/hot-air weld membrane. Manufactured with a polyester mat that is saturated and coated with premium quality, non-blown asphaltic bitumen and APP resins for a durable, heat resistant, flexible and easily maintainable membrane. The top and the bottom surfaces of the sheet are lightly talced to enable the membrane to be applied with SAFEWELD™ APP Modified Adhesive or adhered using torch welding techniques. It is designed for use as a base, interply or cap membrane in cold applied or torch applied APP modified bitumen roof systems.

**Application Method:** USP™ 160SCA APP is applied using SAFEWELD™ APP Modified Adhesive or propane torch welding techniques.

**Approvals:** Meets ASTM D 6222 Type I, Grade S. Contact U.S. Ply, Inc. for specific/applicable codes.

**Product Data:** USP™ 160SCA APP (typical)

Thickness: 3.5 mm (140 mils)

Weight: 80 lbs/roll (41 kg/m<sup>2</sup>)

Roll Dimensions: 39-3/8" x 32' 9" (1m x 10m). Each roll is approximately 108 sq. ft.

<b>Physical Properties (ASTM D 5147):</b>	<b>Test Results</b>	<b>ASTM D 6222 Minimum</b>
Tensile Strength (lbf/in), 0°F, (MD/XMD)	120/100	60 lbf/in
Tensile Strength (lbf/in), 73°F, (MD/XMD)	100/75	50 lbf/in
Elongation (% @ Max Load), 0°F, (MD/XMD)	52/54	10%
Elongation (% @ Max Load), 73°F, (MD/XMD)	45/45	23%
Elongation (% @ 5%, Max Load), 73°F, (MD/XMD)	51/53	3%
Tear Strength (lbf), (MD/XMD), 73°F, minimum	122/116	70 lbf
Low Temperature Flexibility, (°F), maximum	32°F (0°C)	32°F (0°C)
Dimensional Stability, %, maximum	<0.5%	1%
High Temperature Stability, (°F)	230°F (110°C)	230°F (110°C)
Water Absorption, %, maximum	pass	< 3.2%
Moisture Content, %, maximum	pass	< 1%

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.***

**A DANNY ADAIR COMPANY**

**Corporate Headquarters: P.O. Box 11740, Fort Worth, Texas 76110**

**TOLL-FREE: 877-62USPLY (877) 628-7759 • Technical: (866) 787-4759 • Fax: (817) 413-8221**

**Website: [www.usply.com](http://www.usply.com) • Email: [sales@usply.com](mailto:sales@usply.com)**

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