

# USP APP 160S PLUS

## Technical Data Sheet

**Product Name:** USP™ APP 160S PLUS

**Classification:** APP Modified Bitumen Roof Membrane

**Product Description:** USP™ APP 160S is a tough smooth surfaced, APP (Atactic Polypropylene) torch applied membrane. Manufactured with a non-woven polyester mat that is saturated and coated with high quality, non-blown asphaltic bitumen and APP resins for a durable, heat resistant, flexible and easily maintainable membrane. It is designed for use as a base, interplay or cap membrane in modified bitumen roof systems.

**Application Method:** USP™ APP 160S is applied using propane torch welding techniques.

**Warranty:** USP™ APP 160S is eligible for a Ten (10) year Material Only Warranty when coated. See USP 160 Application Spec Book for details.

**Approvals:** Meets ASTM D 6222 Type I, Grade S.

**Product Data:** USP™ APP 160S PLUS (typical)

Thickness: 4.0 mm (157 mils)

Weight: 100 lbs/roll (45.4 kg/m<sup>2</sup>)

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

Physical Properties (ASTM D 5147):	Test Results	ASTM D 6222 Minimum
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.***

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