



Armored Reel™

Hose Specification

Semi Rigid Booster / Forestry Hose - 1" ID

Semi-Rigid attack hose 1", designed for use on booster reels, forestry skid units and standard use on fire apparatus reels.

Construction:

Reinforcement: Continuous high tenacity polyester circular woven jacket utilizing a plain weave, combined with a rigid heavy polyester helical interior reinforcement.

Liner: 100% synthetic EPDM rubber liner with a thickness of 0.023", to provide superior handling, chemical resistance, and cold weather characteristics. The EPDM compound is flexible between +180degrees F and -40 degrees F

Lengths: Standard Lengths 100', 75' and 50' lengths. Longer lengths than 100' and odd lengths available upon request.

Armored Reel Specifications:

Jacket **Single jacket constructed with 100% virgin high tenacity polyester yarns**

Warp	Multifilament	212 ends	
Warp	Density	10.6 yarns/inch	27 yarns/cm
Weft	Polyester monofilament	0.047"	
Weft	Density	9.6 picks/inch	375 pick/m

Lining **Rubber - Black Extruded EPDM**

Rubber	Thickness	0.024"	0.6096 mm
Rubber	Tensile Strength	1450 Psi	10 M/Pa
Rubber	Elongation	500%	

Heat Resistance: Armored reel will withstand a steel rod heated to 500 degrees F for greater than two minutes without bursting

Couplings: Field Repairable 1” NH aluminum and standard expansion ring NH couplings available.

Standards: Meets or exceeds NFPA 1961 standard on fire hose, current edition

Warranty: 10 years on workmanship and materials. Copy provided upon request

Detailed Specifications: ARMORED REEL 1”

Test	Measurement	Result
Expansion at Proof Pressure	%	<5%
Elongation at Proof Pressure	%	<5%
Warp at Proof Pressure	Inches	<20
Rise at Proof Pressure	Inches	0
Service test pressure	PSI	300
Proof (Acceptance) Pressure	PSI	600
Straight Burst Pressure	PSI	1500
Curved Burst Pressure (radius 27”)	PSI	1450
FM Abrasion Test	Cycles	>15,000
Minimum Bend radius	Inches	3
Minimum internal reel	Inches	8
Weight/100’ uncoupled	Lbs	18.2
Coil Volume 50’	Ft³	0.5721
Coil Volume 100’	Ft³	0.9181
Coupling Bowl	Inches	1 5/16”

**Armored Textiles Inc.
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