

CLOTH, NYLON, POLYURETHANE COATED
Plain Weave, 9.2 oz per sq yd (310 g/m²)

1. SCOPE:

1.1 Form: This specification covers a woven nylon cloth coated with polyether (EU) urethane which is thermally, radio frequency, or ultrasonically sealable and having air holding characteristics.

1.2 Application: Primarily for use in inflatable survival equipment.

2. APPLICABLE DOCUMENTS: See AMS 3272.

3. TECHNICAL REQUIREMENTS:

3.1 Basic Specification: The complete requirements for procuring the cloth described herein shall consist of this document and the latest issue of the basic specification, AMS 3272.

3.2 Material: See AMS 3272.

3.3 Properties: Cloth shall conform to the requirements specified in Table I and the following:

3.3.1 Color: Shall be as specified on the purchase order.

3.3.1.1 Pigment or dye shall be free from carbon or metallic particles.

3.3.1.2 Coated cloth shall show good colorfastness to light and water.

3.3.2 Blocking: Shall not exceed No. 2 scale rating.

3.3.3 Air Retention: There shall be no leakage of any specimen of coated cloth.

3.3.4 Low-Temperature Effect: Coated cloth specimens shall show no evidence of cracking, flaking, or separation.

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AMS 3272/3

- 3.3.5 Adhesion of Coating: No individual specimen shall fail to meet the minimum requirement specified in Table I.
- 3.3.6 Width: The minimum width shall be as specified on the purchase order.
4. QUALITY ASSURANCE PROVISIONS: See AMS 3272.
5. PREPARATION FOR DELIVERY: See AMS 3272.
6. ACKNOWLEDGMENT: See AMS 3272.
7. REJECTIONS: See AMS 3272.
8. NOTES: See AMS 3272.

TABLE I

Type Weave	Base Cloth	Coated Cloth
	Plain	Plain
Weight, oz per sq yd	3.7 - 6.0	8.5 - 10.0
Yarns per in., min		
Warp	82	N/A
Filling	58	N/A
Breaking Strength, lb per in., min		
As Received		
Warp	290	325
Filling	240	265
After Humid Aging		
Warp	N/A	260
Filling	N/A	212
Tearing Strength, lb per in., min		
Warp	20	18
Filling	18	15
Coating Adhesion, lb per in., min	N/A	20

N/A = Not applicable