

**CLOTH, NYLON, POLYURETHANE COATED
Plain Weave, 4.0 ounces/square yard (135 g/m²)**

1. **SCOPE:**

1.1 **Form** This specification covers a woven nylon cloth coated with polyether (EU) urethane.

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 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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3.3.5 Adhesion of Coating: No individual specimen shall fail to meet the minimum requirement specified in Table I.

3.3.6 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, ounces per square yard	1.7 - 1.9	3.5 - 4.5
Yarns per inch, min		
Warp	108	N/A
Filling	88	N/A
Breaking Strength, pounds force per inch, min		
As Received		
Warp	140	125
Filling	120	100
After Humid Aging		
Warp	N/A	100
Filling	N/A	80
Tearing Strength, pounds force per inch, min		
Warp	6	2
Filling	5	2
Coating Adhesion, pounds force per inch, min	N/A	25

N/A = Not applicable