

NOTICE

This documentation has been reviewed by the technical authority and does not contain controlled goods. Disclosure notices and handling instructions originally received with the document must continue to apply.



AVIS

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SPECIFICATION FOR CLOTH, COATED, TAFFETA, NYLON, POLYURETHANE

1.1 Scope

This Manufacturing Data covers the requirements for Cloth, Coated, Taffeta, Nylon, Polyurethane.

1.2 Classification

The fabric must be classified as follows: Cloth, Coated, Taffeta, Nylon, Polyurethane.

1.3 Applicable Documents

The following documents form part of this specification to the extent specified, and are supportive of this specification when referenced; all other document references are to be considered supplemental information only. In the event of a conflict between the documents referenced and the contents of this specification, then the contents of this specification must take precedence:

CAN/CGSB Standards (email: ncr.cgsb-ongc@pwgsc.gc.ca)

- CAN/CGSB-4.2-M Textile Test Methods

American Association of Textile Chemists and Colorists Standards (www.aatcc.org)

- AATCC Test Method 16 Colourfastness to Light
- AATCC Test Method 116 Colorfastness to Crocking: Rotary Vertical Crockmeter Method
- AATCC Test Method 118 Oil Repellency: Hydrocarbon Resistance Test

1.4 Sealed Patterns

The following sealed pattern is available to the bidders to be used for the guidance of the manufacturer for construction and hand only. Under no circumstances must a sealed pattern be mutilated or cut.

DSSPM 272-80: Cloth, Coated, Nylon, Taffeta- Polyurethane for finish only.

1.5 Order of Precedence

In the event of any inconsistency in contract documents such as contract, specification and sealed patterns, the order of precedence must be contract, specification, and sealed pattern. In the event of a conflict between the text of this specification and the references cited herein, the text of this specification must take precedence. For any inconsistency in technical details between languages, the language of the original

document, which in this case is English, must take precedence. Nothing in this document supersedes applicable laws and regulations, unless a specific exemption has been obtained.

2.0 REQUIREMENTS

2.1 Fabric Structure

The base fabric must be of plain weave construction consisting of continuous filament nylon yarn in both warp and weft. When tested in accordance with the applicable test methods, the finished base fabric must comply with the requirements specified in Table 1.

2.2 Colour

The fabric must be white.

2.3 Coating

The woven textile must be further processed by the application of a coating to the backside only of the goods. The polyurethane elastomer used must be hydrolysis and mildew resistant. The resultant coating must be uniform, and free from bubbles, pinholes, thin spots, delamination, or any other coating defects.

2.4 Finish

The coated finished cloth must be given a durable water repellent finish to comply with the requirements of Table 2.

2.5 Workmanship

The materials covered by this specification must be free of imperfections or blemishes such as may adversely affect its appearance or serviceability. For inspection purposes, imperfections and blemishes must be considered defects when clearly visible at a normal inspection distance of approximately 1 m (3.3 ft) under good, preferably Northern Light, lighting conditions.

Table 1: Requirements for Base Cloth

Property	Test Method	Minimum Acceptable	Maximum Acceptable
Mass (g/m ²)	CAN/CGSB 4.2 Test Method 5.1	54	81
Fabric Count (yarns per cm)	CAN/CGSB 4.2 Test Method 6	Warp: 39 Weft: 31	
Breaking Strength (N)	CAN/CGSB 4.2 Test Method 9.1 (Test 6.1)	Warp: 625 Weft: 490	
Colourfastness to Croaking	CAN/CGSB 4.2 Test Method 22 (Tests 6.1 & 6.2)		Colour change and staining: Wet: Grey Scale 4 Dry: Grey Scale 4
Colourfastness to Light	AATCC Textile Test Method 16.3 (Option 3)	Sample GS 4 after 40 AATCC Fading Units	
Colourfastness to Dry Cleaning	CAN/CGSB 4.2 Test Method 29.1		Colour change: GS 4
Non-Fibrous Materials	CAN/CGSB 4.2 Test Method 15 (Note 1)		2%

Note:

1. CAN/CGSB-4.2 Method 15 paragraph 7.4, solvent extraction, one of petroleum ether, tetrachloroethylene or hexane must be used.

Table 2: Requirements for Finished Coated Fabric

Property	Test Method	Minimum Acceptable	Maximum Acceptable
Mass (g/m ²)	CAN/CGSB 4.2 Test Method 5.1	71	98
Tear strength (N)	CAN/CGSB-4.2 Test Method 12.1	Warp: 9 Weft: 9	
Breaking Strength (N)	CAN/CGSB-4.2 Test Method 9.1	Warp: 535 Weft: 445	
Water Resistance	CAN/CGSB-4.2 Test Method 26.3	No leakage at 90 cm	