

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

Cette documentation a été révisée par l'autorité technique et ne contient pas de marchandises contrôlées. Les avis de divulgation et les instructions de manutention reçues originalement doivent continuer de s'appliquer.

SPECIFICATION FOR CLOTH, TAFFETA, NYLON

1.1 Scope

This specification covers the requirements for nylon taffeta cloth.

1.2 Classification

The fabric must be classified as: Cloth, Taffeta, Nylon (Heat set only).

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

FED Standards (Download Documents: <http://assist.daps.dla.mil/quicksearch/>)

- FED-STD-191A Federal Standard for Textile Test Methods
- FED-STD-595C Colors Used in Government Procurement

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

- AATCC Test Method 16 Colourfastness to Light

International Standards Organization (ISO) (www.iso.org)

- ISO 6330 Domestic Washing and Drying Procedure for Textile Testing
- ISO 675 Textiles - Woven Fabrics - Determination of Dimensional Change on Commercial Laundering Near the Boiling Point

1.4 Sealed Patterns

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

DCGEM 290-73: Cloth, Taffeta, Nylon, 88 g/m², Type II. 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 fabric must be a plain weave. When tested in accordance with the applicable test methods, the finished fabric must comply with the requirements specified in Table 1.

2.1.1 Finish

The finish must be as depicted by Sealed Pattern DCGEM 290-73. The fabric must not be given a calendared finish.

2.2 Workmanship

The material 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 are considered defects when clearly visible at a normal inspection distance of approximately 1 m (3.3 ft) under good, preferably Northern Light, lighting conditions.

2.3 Yarns

The yarns must be continuous filament nylon in both warp and weft.

2.4 Colour

The fabric must be a non-florescent earth-tone colour. By definition, earth tone is considered a color scheme that draws from a color palette of browns, tans, grays, greens, oranges, whites and some reds. The colors in an earth tone scheme are muted and flat in an emulation of the natural colors found in soils, moss, trees and rocks. For the purpose of this specification, the earth tone color must be based on the predominantly brown, tan and gray color series (lusterless) within FED STD-595C, where those colors do not include any elements of orange, red and white.

Table 1: Finished Fabric

Property	Test Method	Specified Requirement	Minimum Acceptable	Maximum Acceptable
Fabric Count (yarns per cm)	CAN/CGSB 4.2 Test Method 6	Warp: 64 Weft: 34	Warp: 60 Weft: 32	
Mass	CAN/CGSB 4.2 Test Method 5.1	88 g/m ²	78 g/m ²	90 g/m ²
Breaking Strength	CAN/CGSB 4.2 Test Method 9.1 (Test 6.1)	Warp: 845 N Weft: 535 N	Warp: 735 N Weft: 465 N	
Dimensional Change in Laundering (after 5 washes)	Wash in accordance with: ISO Textile Test Methods 6330 (2A) or (2B) & para 8.5, Procedure E Measure in accordance with: ISO Textile Test Methods 675 paras 6 & 7.4			Warp: 3.0% Weft: 3.0%
Non-Fibrous Materials	CAN/CGSB 4.2 Test Method 15 (Note 1)			2%
Colourfastness to Light	AATCC Textile Test Method 16 (Option E)	Sample Grey Scale 4 after 40 AATCC fading units	Sample Grey Scale 4 after 20 AATCC fading units	
Colourfastness to Water	CAN/CGSB 4.2 Test Method 20	No change in colour and no staining: Grey Scale 5		No appreciable change in colour and no appreciable staining: Grey Scale 4
Colourfastness to Crocking	CAN/CGSB 4.2 Test Method 22 (Tests 6.1 & 6.2)	Colour change and staining: Wet: Grey Scale 5 Dry: Grey Scale 5		Colour change and staining: Wet: Grey Scale 4 Dry: Grey Scale 4
Colourfastness to Perspiration	CAN/CGSB 4.2 Test Method 23	No change in colour and no staining: Grey Scale 5		No appreciable change in colour and no appreciable staining: Grey Scale 4
Colourfastness to Dry Cleaning	CAN/CGSB 4.2 Test Method 29.1	No change in colour: Grey Scale 5		No appreciable change in colour: Grey Scale 4

Note:

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