

INCH-POUND
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MIL-C-81814C  
AMENDMENT 1  
29 August 2003

## MILITARY SPECIFICATION

### CLOTH, TWILL, ARAMID, HIGH TEMPERATURE RESISTANT

This amendment forms a part of MIL-C-81814C, dated 17 August 1990, and is approved for use by all Departments and Agencies of the Department of Defense.

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Paragraph 2.2, add the following test methods that have replaced methods from FED-STD-191:

“AATCC16	Colorfastness to Light”
“AATCC20A	Fiber Analysis: Quantitative”
“AATCC61	Colorfastness to Laundering, Home and Commercial: Accelerated”
“AATCC158	Dimensional Changes on Drycleaning in Perchloroethylene: Machine Method”.
“ASTM-D737	Test Method for Air Permeability of Textile Fabrics”
“ASTM-D1422	Test Method for Twist in Single Spun Yarns by the Untwist- Retwist Method”
“ASTM-D1683	Test Method for Failure in Sewn Seams of Woven Fabrics
“ASTM-D2261	Test Method for Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure”
“ASTM-D3775	Test Method for Fabric Count of Woven Fabric”
“ASTM-D3776	Test Method for Mass Per Unit Area (Weight) of Fabric”
“ASTM-D5035	Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method)”

“(Applications for copies should be addressed to the American Society for Testing and Materials, 100 Barr harbor Drive, West Conshohocken, PA 19428-2959.)”

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Table I, Characteristics column: Shrinkage after 10 launderings, delete “launderings” and substitute “drycleanings”.

Table I, Requirements column: Shrinkage after 10 launderings, delete “2.0” for warp and substitute “4.0”.

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Table II, test method column: Delete FED-STD-191 test methods and substitute commercial test methods as follows:

Test method	Commercial Standard
“5660”	“AATCC-16 Opt A”
“5610”	“AATCC-61 Test 4A”
“5041”	“ASTM-D-3776 Opt C”
“5050”	“ASTM-D-3775”
“4052”	“ASTM-D-1422”
“5104”	“ASTM-D-5035”
“5134”	“ASTM-D-2261”
“5450”	“ASTM-D-737”
“2611”	“AATCC-20A”
“5110”	“ASTM-D1683”
“5556 <u>3/</u> ”	“AATCC 158”

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Table II, Characteristics column: Dimensional Stability, delete “launderings” and substitute “drycleanings”.

Table II, test method column: Delete “5556 3/ ” and substitute commercial test method “AATCC 158”

Table II, Delete footnote 3/.

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Custodians:

Navy – AS  
Air Force – 11  
DLA – CT

Preparing Activity:  
Navy – AS

(Project 8305-0816)

Review activities:

Navy – NU