

<b>Product Specifications + lot 023 certificate and data</b>	<b>2010-04-08 2017-06-14</b>
<b>Product:</b> Art. Nr. 99117 / 99118, DOE Energy Test Cloth	

Parameter	Targets / Tolerances	lot 023
Yarn composition	Cotton/Polyester 50/50 CO in warp and weft each 50% ± 4%	Cotton 48,8% Polyester 51,2%
Width	160 cm	-
Mass per unit area (weight)	(190 ± 8,4) g/m <sup>2</sup>	195,9 g/m <sup>2</sup>
Weave	Momie or Granite weave	OK ✓
Thread count Warp Weft	65 / inch (25,5 / cm) ± 2% 57 / inch (22,4 / cm) ± 2%	25 / cm (≈ 63 / inch) 23 / cm (≈ 58 / inch)
Yarn count Warp Weft	15/1 cotton count ± 5% <i>wfk</i> : 35,5 tex (Nm 28/1), ± 5% 15/1 cotton count ± 5% <i>wfk</i> : 35,5 tex (Nm 28/1), ± 5%	36,7 tex 35,6 tex
Yarn twist Warp Weft	<i>Not specified</i>	371 t/m 341 t/m
Yarn construction	Open end spun	OK ✓
Finish	Pure finish: desized/washed, bleached, without optical brightener AATCC-118 Oil Repellency Test: D scores only AATCC-79 Absorbency Test: Wetting time ≤ 1 sec.	OK ✓ OK ✓ OK (< 0,5 sec.) ✓
Color	White	OK ✓
Tristimulus Y	<i>Tbd</i>	

**Remarks:**

The above specifications were drafted for review by AHAM DOE Test Cloth Task Force. They consist of the specifications currently laid out in the Federal Register plus additional requirements set up by wfk. The original yarn count requirement (15/1 cotton count) was translated into a Nm/tex based yarn count requirement. The measured yarn count in the finished fabric is affected by the finishing process and specified internally by wfk as well.

Final Specs to be published in U.S. Federal Register.

Lot 023 fabric approved:

*14. June 2017*

Lot 023 evaluation by  
 AHAM DOE Task Force  
 based on UL report PN 6183: Approved as Lot 023!



27. February 2018