

Draft Product Specifications + lot 020 certificate and data	2010-10-24
Product:	Art. Nr. 99117 / 99118, DOE Energy Test Cloth

Parameter	Targets / Tolerances	lot 020
Yarn composition	Cotton/Polyester 50/50 CO in warp and weft each 50% ± 4%	Warp CO/PES 53,4%/46,6% Weft CO/PES 53,8%/46,2%
Width	160 cm	-
Mass per unit area (weight)	(190 ± 8,4) g/m ²	190,8 g/m ²
Weave	Momie or Granite weave	OK ✓
Thread count Warp	65 / inch ± 2% ≈ 25 / cm ± 2%	24 / cm
Weft	57 / inch ± 2% ≈ 22,4 / cm ± 2%	25 / cm
Yarn count Warp	15/1 cotton count ± 5% <i>wfk: 35,5 tex (Nm 28/1), ± 5%</i>	35,8 tex
Weft	15/1 cotton count ± 5% <i>wfk: 35,5 tex (Nm 28/1), ± 5%</i>	35,1 tex
Yarn twist Warp	410 - 450 t/m	392 t/m
Weft	410 - 450 t/m	367 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	Tbd	

Remarks:

The above specifications are 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 tex based (Nm based) yarn count requirement. The original and the translated wfk specs are not exactly the same, however the respective yarn can be considered equivalent.

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

Lot 020 fabric approved:

14. Hilgers
 18. October 2011

Lot 020 evaluation by
 AHAM DOE Task Force:

Approved as LOT 20!



24. October 2011

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