

TEST 106 serial number: 43

cotton, soiled with IEC carbon black/mineral oil

(STANDARD REFERENCE MATERIAL FOR TECHNICAL TESTS ONLY)

generally:

according:	Swissatest specific soiling
suitable:	sensitive to the amount of detergent and to the level of agitation
date of production:	November 2021
durability:	March 2025 (reviewed in March 2024)
storing conditions:	must be well packed and kept in the fridge by < 8°C.

specification of base material:

article 221	cotton fabric, cretonne, bleached, without optical brightener
thread count in cm	warp: 34 weft: 20
yarn count in Tex	warp: 30 weft: 50
weight in g/m²	200.0
width in cm	167.0
Y-value	90.0
Rem_{460nm}	87.0

specification of soiled fabric:

soiling	mixture of mineral oil and soot mineral oil as described in IEC 60456 soot, carbon pigment as described in IEC 60456
weight in g/m²	196.0
width in cm	159.2
Y-value	24.1
Rem_{460nm}	23.4

measuring conditions:

instrument	DC800V (spectrophotometer)
illuminant / observer	D65 / 10°
measuring geometry	d/8°
wavelength range	420 to 750nm
filter	UV barrier at 420nm
measuring diameter	26 mm
gloss	excluded