Colourfastness to Light

Purpose

This method is intended to determine the resistance of the colour of textiles to fade when exposed to artificial light (xenon arc) which is representative of natural daylight.

Principle :

A specimen of the textile to be tested is exposed to artificial light under prescribed conditions, along with agreed standards (blue wool reference). The colourfastness is being assessed by comparison of the colour change of the exposed portion to the masked control portion of the test specimen using gray scale or blue references used.

Equipment

Megasol
Xenotest Alpha High Energy
Xenotest 150 s+ Light Fastness Tester
Xenotest 150
Xenotest 150 s
Apollo
Atlas Ci3000+ Weatherometer/Fadeometer
Alpha LM
All the above operate with Xenon Arc at colour temperature 5500 to 6500K
Supply of masks for partial covering of specimens
Supply of white card OBA Free
S.D.C. Blue Wool Reference standards identified 1-6 or 8 if specification requires
Humidity test control fabric – red azoic dyed cotton
Mounting Card without OBA
'Black Panel' thermometer
or
Standard black thermometer
Colour Assessment Cabinet

Grey scales for colour change
Grading Mask