

ArcWear

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Sampling and Specimen Preparation - Arc Testing

Date: July 6, 2015

Report #: 1506P18-SP

Client: Springfield LLC
320 Wamsutta Dr
Lyman, SC 29365
864-949-2295

At request of: Quentin Bonner

Sample Identified By Client As:

Springfield LLC, 3 Layers of Style Springfield DH TW w/o 628332-1, 6.5 oz/yd² 220 g/m² Twill, 48% Tencel 40% Modacrylic 12% Aramid, 10119Q Navy Premier, AAD 7.1 oz/yd² 241 g/m², ArcWear# 1506P18

Sample received on: June 3, 2015

Test Procedure:

The samples were laundered 3 times in accordance with Section 8.2.1 of ASTM F1959/F1959M-14 *Standard Test Method for Determining the Arc Rating of Materials for Clothing* and AATCC Test Method 135, Procedure 3, IV, Aiii. The post-laundered aerial density was determined and test specimens were cut, assembled, and prepared for testing in accordance with Section 8 of ASTM F1959/F1959M-14 *Standard Test Method for Determining the Arc Rating of Materials for Clothing*. The total weight per load of the specimens and ballast (if used) was 8 lbs.

This is a design test which is required as a part of the compliance with ASTM F1506-10a. Other tests and ongoing testing are required for full compliance. ArcWear recommends asking for reports of ongoing testing from the manufacturer of the garment or fabric. Of special importance is vertical flammability but other test requirements may also be desired as proof that the product meets the full performance specification.

The results of testing to ASTM F1959/F1959M-14* have been documented in Kinectrics Report Number K-418806-1506P18. Based on this test report, this sample received a final performance value of

Arc Rating: ATPV = 48 cal/cm²

Signed for the Company by:

Hugh Hoagland
President



TESTING CERT #3570.01

*ASTM F1959/F1959M-14 is performed at Kinectrics and is on their scope of accreditation (SCC Accredited Lab # 610). ASTM F1959 is not on ArcWear's scope of accreditation.