



3018 Eastpoint Parkway, Louisville, KY 40223. 502-333-0510, www.ArcWear.com

Date: November 21, 2022

Client: R&R Lotion
15547 North 77th Street
Scottsdale, Arizona 85260

Sample Received: August 19, 2022

Sample Description:

R&R Lotion Inc., I.C. Ivy Block Pre Contact Formula tested on Mfg. Miliken, Style MPG S000105572, 7.5 oz/yd² 254 g/m² Twill, 88% Cotton 12% Nylon, Navy, Arcwear# 2208Ps15

Ingredient List for I.C. Ivy Block Pre Contact Formula, Active Ingredient: Zinc Acetate 0.1%; Inactive Ingredients: Di Water, Cyclopentasiloxane (and) Quaternium-90 Bentonite (and) Trifluoromethyl C1-4 Alkyl Dimethicone (and) Propylene Carbonate, Bentonite, Dimenthicone, Polyacrylamide (and) C13-14 Isoparaffin (and) Laureth-7, Glycerin, Magnesium Aluminum Silicate, Phenoxyethanol (and) Ethylhexylglycerin, PVP, Aloe Barbadosensis Leaf Juice, Disodium EDTA, Hamamelis Virginiana (Witch Hazel) Water (and) Phenoxyethanol, Citric Acid

Set Up Using Test Method:

Partial testing was performed using the set-up of ASTM F1959/F1959M-14e1 Standard Test Method for Determining the Arc Rating of Materials for Clothing. The IC Ivy Block was applied to the textile and tested within 5-10 minutes of application.

Wash Procedure Used:

The control material 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 135-15, Procedure 3, IV, Aiii. The post-laundered areal 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.

Kinectrics Reference: K-580778-2208Ps15

Results: ATPV approximately 5-6 cal/cm² based on 9 datapoints

The Stoll Curve was crossed when performing partial testing at the approximate incident energy level of 8.1-9.5 cal/cm². The Stoll Curve was not crossed when performing partial testing at the approximate incident energy level of 4.0 to 4.7 cal/cm². There were mixed results when performing partial testing at the approximate incident energy level of 5.7-6.8 cal/cm². Results on the partial testing performed showed no evidence that the product applied in the due diligence testing would be detrimental to the arc rating of the material of application. No additional afterflame, no ignition, no melting and dripping was observed as result of arc exposure.

This document is for internal use and is not a final arc rating report.

Signed for the Company by:

Brian Shiels, Service Line Manager



*The results of testing to ASTM F1959 and IEC 61482-1-1 are performed at Kinectrics High Current Laboratory in Toronto, CA, and are in scope of accreditation (SCC Accredited Lab # 610).