

Topic: Section 4.1.5.3 Label Permanency and Durability, NIJ Standard-0101.06 Ballistic Resistance of Body Armor

The Label Permanency and Durability test is designed to only test the permanency of the ink and durability of the label material through their reactions to the chemicals being applied. Since this is not an abrasion test, excess force should not be applied. The amount of force applied to the label during this test should be only as much pressure as required to hold the cotton cloth (100 percent knit cotton) against the surface of the label.

When conducting this test, the speed at which the rubbing should be administered should be approximately 30 passes per 15 second interval. The portion of the label tested should be dry before proceeding to the next chemical. The drying can be accomplished with light blotting from a dry cloth.

In the event that labels on the armor fail to meet the labeling requirements, the laboratory will record the test results on the compliance test report (CTR) and the ballistic testing portion of the compliance test will continue. The CTP will allow the applicant to rectify the noncompliance with the submission of new labels. The laboratory shall inform the applicant of the non-compliant label test results and request revised samples and the construction details of the new label for retesting. The laboratory will repeat the labeling test in accordance with Section 4.1.5.3. If these labels are found to comply, the model will continue through the testing process.