



Certificate of Test

Sample Description: **3M™ Scotchlite™ Reflective Material
- 9910 Silver Industrial Wash Fabric**

Customer: **3M Deutschland GmbH
Carl-Schurz-Str. 1
41453 Neuss
Germany**

Test Specification: **EN ISO 20471:2013 High-visibility Clothing,
Retroreflective Material**

We hereby declare that the item has been tested by FIOH and complies with the requirements of EN ISO 20471:2013 for separate performance materials as follows:

The clause of EN ISO 20471 (separate performance retroreflective material)			Assessment
6.1	New material		Complies
6.2	After test exposure	Test Details	
	-Abrasion	7.4.1 ISO 12947-2, inverted mode, 5000 rubs	Complies
	-Flexing	7.4.2 ISO 7854, Method A -7500 cycles	Complies
	-Folding at cold temperatures	7.4.3 ISO 4675, /-20°C	Complies
	-Temperature variation	7.4.4 EN ISO 20471, 12h (50°C)/ 20h (-30°C)	Complies
	-Influence of rainfall	7.4.5 EN ISO 20471, Annex C	Complies
	-Domestic washing, 100 cycles	7.5.2 EN ISO 6330 at 60°C, 6N/F	Complies
	-Domestic washing, 50 cycles	7.5.2 EN ISO 6330 at 92°C, 9N/F	Complies
	-Industrial washing, 30 cycles	7.5.2 ISO 15797 at 75°C with tumble drying, prog 8	Complies
	-Industrial washing, 5 cycles	7.5.2 ISO 15797 at 75°C with tumble and tunnel/cabinet drying, prog 2	Complies
	-Dry cleaning, 50 cycles	7.5.3 EN ISO 3175-2, 8.1	Complies

Authorised by:


Erja Tammela
Senior Specialist

This assessment is based on test reports 163819T02, 2013-08-29, 270144T01, 2014-12-02 and 308892T01, 2015-04-30. This assessment is valid only for the tested items and it does not signify any EC type-examination of complete personal protective equipment.