

Third Party Certification
(ANSI/ISEA-107-2010)
RETROREFLECTIVE MATERIAL COMPLIANCE

Submitted by: 3M

Style #: 7180, 3M™ Scotchlite™ Reflective Material

Lot #: 9197-017, High Gloss Trim

Color: Grey

Report #: MMM.A112309S

Date: March 5, 2010

The submitted material **MEETS** all **Level 2** performance requirements of retroreflective material prior to test exposure per ANSI/ISEA 107-2010.

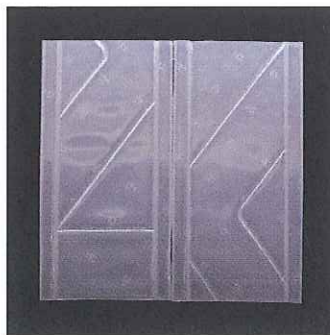
The submitted material **MEETS** all **Level 2** performance requirements of retroreflective material after test exposure per ANSI/ISEA 107-2010.

All of the above tests and evaluations were performed in accordance with ISO 17025 Management Systems.

Certifications of background and garment material characteristics are not implied by this certificate or the original report

Adam R. Varley

Certificate authorized by:
Adam R. Varley
Technical Director



Serial 60085112309S.MMM

*This certification applies to the particular sample tested and to the specific tests carried out as dated and detailed in the report referenced above. It does not signify any measure of approval, control, supervision, or surveillance by Vartest Laboratories Inc. to this or any related product.

3M™ Occupational Health & Environmental Safety Division
ANSI/ISEA-107-2010 **Retroreflective Material Test Results**
Style #: 7180, 3M™ Scotchlite™ Retroreflective Material
Lot #: 9197-017, Ref: High Gloss Trim
Color Grey
Date Issued: March 5, 2010 Vartest File #: MMM.112309S

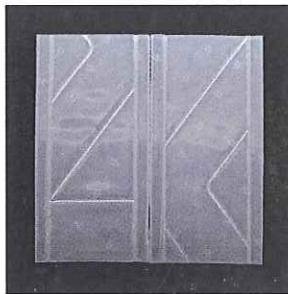
The submitted material **MEETS** all Level 2 Photometric performance requirements of retroreflective material prior to test exposure per ANSI/ISEA-107-2010 clause 8.1 for minimum coefficient of retroreflection for retroreflective or combined performance materials.

The submitted material **MEETS** all Level 2 photometric performance requirements of retroreflective material after test exposure per ANSI/ISEA-107-2010 clause 8.2 for minimum coefficient of retroreflection for retroreflective or combined performance materials after abrasion, flexing, folding at cold temperatures, temperature variation, domestic washing (75 cycles).

SUMMARY

Specification: ANSI/ISEA 107-2010
American National Standard for High-Visibility Safety Apparel
Retroreflective material, Level 2

Retroreflective Performance, Initial.....	Passed
Abrasion.....	Passed
Flexing.....	Passed
Folding at Cold Temperatures.....	Passed
Exposure to Temperature Variation.....	Passed
Domestic Washing (75X).....	Passed
Retroreflective Performance in Rainfall.....	Passed



Signed For The Company By

Adam R. Varley / ARV

Serial #: 500850112309S.MMM
Adam R. Varley
Technical Director

