

Description

ORALITE® UFR reflective trim is designed for use on flame resistant apparel used by utility workers exposed to momentary electric arc and thermal hazards. The trim is available in fluorescent yellow-green and orange. The retroreflective garment trim has a smooth-sealed outer surface as described in Part 6 of the MUTCD for traffic control devices.

Product Construction

ORALITE® UFR is composed of cube corner (microprism) reflective elements integrally bonded to a flexible, smooth surfaced, weather resistant UV-stabilized polymeric film. The microprismatic film is welded to a fabric reinforced polymeric backing material which protects the prisms from dirt and moisture. Trim is easily sewn to garments.

Reflectivity

ORALITE® UFR reflective trim exceeds the minimum reflectivity requirements of ANSI/ISEA 107-2015 and CSA Z96-15 for Level 2 performance. Typical reflectivity for fluorescent yellow-green is 580 cd/lux/m² and orange is 400 cd/lux/m² at 0.20° observation and +5° entrance angles.

Daytime Color

Available in combined performance fluorescent yellow green and orange.

The combined performance fluorescent yellow green meets the requirements of ANSI/ISEA 107-2015 and CSA Z96-15 for Combined-Performance Materials, (CP). CP materials provide daytime visibility through fluorescent color and superior nighttime visibility through reflected color similar to that of its daytime appearance. CP materials also count as background material in calculating minimum area requirements.

Arc Resistance

When tested in accordance with ASTM F1506 and F1891, complies with the minimum requirements. Additionally, the material has an ATPV (Arc Thermal Performance Value) greater than 25 cal/cm² when tested in accordance with ASTM F1959.

Flame Resistance

When tested in accordance with NFPA 2112-2012, ORALITE® UFR reflective trim exceeds the minimum requirements for both after-flame (≤ 2.0 seconds), and char length (≤ 4.0 inches). Per the requirement, the trim does not melt or drip.

Wet Performance

When tested according to the ANSI/ISEA 107-2015, Retroreflective Performance in Rainfall test, ORALITE® UFR reflective trim will typically retain 70% of its photometric performance when dry.

Washing Performance

ORALITE® UFR has been certified to withstand a minimum of 20 washings when washed in accordance with ANSI/ISEA 107-2015 section 10.4.5. Do Not Dry Clean.

Enhanced Surface Preparation

ORALITE® UFR is manufactured with a unique Enhanced Surface Preparation (ESP) which minimizes staining of the retroreflective garment trim from fluorescent dyes as a result of bleeding from background fabrics during laundering and intimate contact. ESP also provides a glossy top surface which is inherently resistant to soiling and allows for easy cleaning.

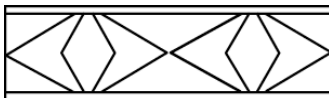
Resistance to Chemical Exposure

ORALITE® UFR reflective trim offers resistance to a variety of chemicals potentially encountered in utility work situations, and is able to withstand a 10 minute immersion in 5% HCl, heptane, MeOH, NaOH, gasoline, kerosene, and mineral oil without evidence of blistering or dissolving.

Sewing Instructions

ORALITE® UFR is manufactured with an outer sewing border area. The sew borders provide an area for sewing the trim to garments without damaging the reflective properties of the material. Stitching outside the prescribed sew borders may compromise the integrity of the trim. The recommend stitch count is 8 per inch.

Seal Pattern



ORAFOL Americas – GA
1100 Oracal Parkway
Black Creek, GA 31308
Phone: 888.672.2251

ORAFOL Americas – CT
120 Darling Drive
Avon, CT 06001
Phone: 800.654.7570

ORAFOL Canada
2831 Bristol Circle
Oakville, Ontario L6H 6X5
Phone: 888.727.3374

reflective-americas@orafol.com

www.orafolamericas.com

Ordering Information

Item Number	Color	Size	Rolls per Case
145-2061-020200	combined performance fluorescent yellow green	2" x 200' (50.8mm x 61M)	5
145-0761-020200	orange	2" x 200' (50.8mm x 61M)	5

IMPORTANT NOTICE

All ORALITE® products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning ORALITE® products is based upon research which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of ORALITE® products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use.

All specifications are subject to change without prior notice.

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

ORALITE® is a registered trademark of ORAFOL Europe GmbH.



ORAFOL Americas – GA
1100 Oracal Parkway
Black Creek, GA 31308
Phone: 888.672.2251

reflective-americas@orafol.com

ORAFOL Americas – CT
120 Darling Drive
Avon, CT 06001
Phone: 800.654.7570

www.orafolamericas.com

ORAFOL Canada
2831 Bristol Circle
Oakville, Ontario L6H 6X5
Phone: 888.727.3374