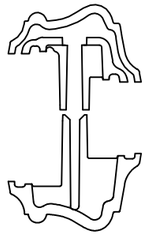
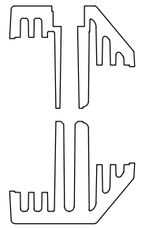
ODL, Inc.

FiberMate® Gen 1 (PC/ABS Plastic Resin)

TO BE USED AS LITE FRAME MATERIAL FOR DOOR ASSEMBLIES



"TriSYS®" Lite Frame
(PC/ABS on Exterior Frame only)



"Spotlights®" Lite Frame
(PC/ABS)

L F Schmidt
L. F. SCHMIDT LICENSE No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Lyndon F Schmidt
Date: 2023.07.26 10:28:01 -04'00'

This item has been digitally signed and sealed by **L. F. Schmidt, P.E.** on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA

FiberMate® (Gen 1) MATERIAL PROPERTIES				
DESCRIPTION	**TEST**	***FiberMate® Color***		
		White	**Black**	**Mahogany**
SELF-IGNITION TEMP.	ASTM D 1929	842 °F > 650 °F	815 °F > 650 °F	844 °F > 650 °F
SMOKE DENSITY RATING	ASTM D 2843	66.7% < 75%	67.4% < 75%	72.2% < 75%
RATE OF BURNING	ASTM D 635	0.94 < 1.0 in./min. (Class CC1)	1.09 < 2.5 in./min. (Class CC2)	0.81 < 1.0 in./min. (Class CC1)
TENSILE STRESS	ASTM G 155 (4500 hrs.) & ASTM D 638	Before* = 7700 psi After* = 7000 psi	Before* = 7580 psi After* = 7870 psi	Before* = 7440 psi After* = 7150 psi
		% Difference = 9.1 < 10%	% Difference = 3.8 < 10%	% Difference = 3.9 < 10%

COMPONENT APPROVAL

* Tensile testing on controlled and weathered specimens per Section 2615.2 of the 8th Edition (2023) FBC.

GENERAL NOTES

1. FiberMate® Gen 1 (PC/ABS Plastic Resin) Sheets manufactured by ODL, Inc. are in compliance with the 8th Edition (2023) Florida Building Code (FBC) plastic requirements including the High Velocity Hurricane Zone (HVHZ).
2. This approval does not include an evaluation of the structural performance of this component. Test reports and all required documents must be submitted showing the system using this component will resist loads according to Chapter 16 of the FBC (refer to FBC Section 2606.5 Structural Requirements).

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: *PC/ABS MATERIAL APPROVAL*

PART OR ASSEMBLY: *ODL DOORLIGHT ASSEMBLIES*

NO.	DATE	REVISIONS	BY
3	7/01/23	UPDATE TO 8TH ED. (2023) FBC	LFS
2	7/28/20	UPDATE TO 7TH ED (2020) FBC	LFS
1	8/08/19	ADD "GEN 1" TO MATERIAL NAME	LFS

DATE: 4/18/19
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-29465.1
SHEET 1 OF 1

© 2019 R.W. BUILDING CONSULTANTS INC.

Z:\2023 FBC Drawings\ODL, Inc\FL-29465 R4\FL-29465.1.dwg