

3M

Renewable Energy Division 3M™ IR 900 Window Film

Customer Product Specification

Contents

1. Product Identification.....	2
2. Product Properties.....	2
3. Rolls Characteristics	2
4. Visual Appearance.....	3
5. Packaging.....	3
6. Product Label	3
7. Shelf life / Storage Conditions.....	3
8. Legal Statement	4

1. Product Identification

1.1 **Product Description:** 3M™ IR900 WINDOW FILM
60”x 100 Ft

1.2 **3M Stock Number:** 70-0066-6150-1

2. Product Properties

Property	Test Method	Unit	Min	Target	Max
Visible Light Transmission(VLT)	3M Test	%	87.00	90.00	93.00
Thickness	3M Test	mils	1.92	2.06	2.20
Haze	3M Test	%	NA	2.60	4.00
UV Transmission	3M Test	%	0	<.5	<.5
Taber Abrasion	3M Test	%	NA	2.0	5.5
Ambient curl	3M Test	Unit less	-1	0	9
High humidity curl	3M Test	Unit less	-6	0	6
Adhesion to glass	3M Test	Oz/in	50	60	120
Liner release	3M Test	g/in	3	7	10
Crosshatch adhesion	3M Test	%	0	0	0
Visual appearance	3M Test	Pass/Fail	NA	Pass	NA

3. Rolls Characteristics :

Property	Test Method	Units	LSL	Target	USL
Length	NA	Feet	-0	100	+3
Width	NA	inches	-0	60	+5/64”
Black-line Marks *	NA	Each/Roll	0	0	2
Film splices	NA	Each/Roll	0	0	0

“*” - “Black-line marks” = are made when a visual defect is found to be out of specification for size and a cross-web line is drawn to mark that defect. Four feet of extra film are added at the end, for each mark in the roll.

- Maximum of two marks per roll are allowed.
- No marks are allowed within 12 ft of either end of the roll.
- Marks must be at least 15 feet apart.

4. Visual appearance defects

Property Description	Test Method	UOM	Min	Target	Max
Point Defects >1/32"	3M Test	No.	0	0	5
Bulk Distortion	3M Test	Level 3-5	NA	Pass	NA
Linear Distortion	3M Test	Level 3-5	NA	Pass	NA

5. Application

5.1 IR900 is designed to be installed on glass surfaces. If exposed to direct sunlight, the adhesive should face the sunlight. IR900 is not recommended for plastic substrates including acrylic.

6. Packaging

6.1 **General Description:** Roll protectively wrapped and suspended on end boards in a cardboard box placed on a pallet.

6.2 Core Dimension

6.2.1 Material: Plastic

6.2.2 Inner diameter: 7.6 cm (3 inches)

7. Product Label

7.1 **General Description:** Film will have descriptive labeling on packing including but not limited to; product description, length, width, thickness and lot number.

7.1.1 **Units:** International System of Units (Primary)

3M Company Renewable Energy Division 3M Center, Building 235-1S-67 St. Paul, MN 55144-1000	Customer Product Specification
	3M™ IR900 Window Film
	3M Stock Number: 70-0066-6150-1
	Revision 1.0.0
	Date: October 11, 2016

8. Shelf life / Storage Conditions

8.1 **Shelf life:** 2 years from the date of manufacture

8.2 **Storage conditions:** Store under normal conditions (< 40°C / 104°F) in the original, unopened package.

9. Legal Statement

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy and Disclaimer: Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

Renewable Energy Division
3M Center, Building 235-2S-27
St. Paul, MN 55144-1000
www.3M.com/windowfilm

3M is a trademark of 3M Company.
© 3M 2016. All rights reserved.

70-0066-6150-1
3M™ IR900 Window Film

Revision: CPS 1.0.0
Printed: 10/11/2016