

PRODUCT DESCRIPTION

BioFlex™ I200U is a high-strength polyethylene film used for the manufacturing of disposable medical isolation gowns. BioFlex™ film is manufactured with premium quality polyethylene for the production of high-demand personal protective equipment (PPE) materials. BioFlex™ I200U polyethylene film meets the barrier and physical property performance requirements for use in medical isolation gowns under AAMI levels 1, 2 and 3 protection standards for use in a health care setting and are tested to conform with ASTM F3352, ASTM F2407 and ANSI standards. BioFlex™ film is available in other color options and thicknesses with minimum quantity order requirements.

BioFlex™ I200U premium polyethylene film is designed with a low-weight to high-strength ratio for excellent pliability and ease of heat sealability resulting in strong heat welded seams for optimal barrier protection.

- Film for Single-Use and Disposable Gowns
- Premium Polyethylene - 100% Latex Free
- Meets the Berry Amendment, "Made in the USA"

PRODUCT USE

BioFlex™ I200U premium polyethylene film is used for the manufacturing of medical isolation gowns designed to aide in the protection of healthcare professionals and patients from cross infection in clinical and laboratory settings. BioFlex™ I200U film provides excellent fluid resistance and aides in the prevention of coming in contact with the spread of infectious liquid and solid materials.

- For gowns conforming with ANSI/AAMI PB70 Levels 1-3
- Non-sensitizing and non-irritating per ANSI/AAMI 10993-10

All Raven products are manufactured and tested in a quality-controlled environment and an accredited testing laboratory under our stringent ISO 9001 certified management system.

SIZE & PACKAGING

BioFlex™ I200U premium film for non-surgical disposable isolation gowns is produced in multiple roll configurations to meet requirements as tubing, single wound sheeting, and c-fold sheeting. All rolls are wound and folded on heavy-duty cores for ease in handling. Roll widths range from 4.5' – 7.0' for tube and single wound sheeting. Roll lengths can range up to 30,000 linear feet with options for shorter lengths available.



BioFlex™ I200U Medical Isolation Gown Film

PRODUCT

PART

BioFlex™ I200U

APPLICATION(S)

Disposable Medical Isolation Gown



BioFlex™

		BIOFLEX™ I200U	
		MINIMUM VALUES	
PROPERTIES	TEST METHOD	IMPERIAL	METRIC
APPEARANCE		Blue Translucent	
THICKNESS - (AVERAGE)	ASTM D5199	2 Mils	0.05 mm
WEIGHT	ASTM D751	10 lbs/msf	49 g/m ²
³ GRAB TENSILE AT BREAK	ASTM D5034	12 lbf	53 N
¹ TENSILE STRENGTH (STRIP) - BREAK STRENGTH - BREAK ELONGATION	ASTM D7004	12 ppi 500 %	2.1 N/mm 500 %
³ TEAR RESISTANCE	ASTM D5733	4 lbf	18 N
PUNCTURE RESISTANCE	ASTM F1306	3.8 lbf	1 N
BARRIER PERFORMANCE (SPRAY IMPACT)	AATCC 42	<0.1 g	
BARRIER PERFORMANCE (HYDROSTATIC PRESSURE)	AATCC 127	>50 cm	
FLAMMABILITY	16 CFR part 1610	Class 1	
BIOCOMPATIBILITY	ISO/ANSI/AAMI 10993-10	Non-Sensitizing and Non-Irritating	
WVTR	ASTM D6701	0.0017 grains/hr-ft ²	0.059 grams/m ² -hr
BIOFLEX™ FILM MEETS BARRIER AND PHYSICAL PROPERTY PERFORMANCE REQUIREMENTS	ASTM F3352	AAMI PB70 Level 1, 2 and 3	
MAXIMUM STATIC USE TEMPERATURE		180° F	82° C
MINIMUM STATIC USE TEMPERATURE		-40° F	-40° C

¹ Tests are an average of diagonal directions.

³ Tests are an average of machine and transverse directions.



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Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at www.ravenefd.com

RAVEN ENGINEERED FILMS

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