

PRODUCT DATA SHEET
M312 Film

CONSTRUCTION - Clear, 5-layer, polyolefin based coextrusion; electronically crosslinked

Properties	Test Method	Units	Data
Standard Thickness	ASTM D-6988	µm	190
Tensile Strength L	ASTM D-882	kg/cm ²	210
Tensile Strength T	ASTM D-882	kg/cm ²	287
Elongation @ Break L	ASTM D-882	%	520
Elongation @ Break T	ASTM D-882	%	655
Modulus of Elasticity L	ASTM D-882	kg/cm ²	840
Modulus of Elasticity T	ASTM D-882	kg/cm ²	770
Haze	ASTM D-1003 (A)	%	5
Total Light Transmission	ASTM D-1003 (A)	%	94
MVTR (at 38°C, 100% RH, BAR)	ASTM F-1249	g/m ² X 24h	5
Grammage	ASTM D-646-96	g/m ²	176
Roll Width*		mm	120-450
Roll Length		M	500
Core Diameter (ID)		mm	153.8

*Widths outside this range may be available upon request.

GLOBAL SYSTEMS & SUPPORT

With over 100 sales, manufacturing, and research/development facilities world wide, Sealed Air has created a global network that ensures our people and our customers have access to the finest technology and support services available in the world. Built on a foundation of innovative thinking and a commitment to offering our customers a total systems approach to their business wherever they may be, Sealed Air is uniquely positioned to solve the most demanding packaging challenges with the most innovative packaging solutions available.

Note: These are typical values for Nexcel® M312 Materials. They are not intended for use as limiting specifications. All statements or recommendations are based on data and knowledge considered to be true and accurate at the time of printing but should be verified by the user. Since the conditions of use are beyond our control we do not warrant the completeness or suitability for any intended purpose of any statement or recommendation, or the results to be obtained. Please read all statements or recommendations in conjunction with our conditions of sale including those limiting warranties and remedies which apply to all goods and services supplied by us. National or local legal requirements relating to health & safety at work and the protection of the environment shall be applicable in all cases.

PRODUCT DATA SHEET**M312 Film****DESCRIPTION/INTENDED USE**

The standard in advanced films for medical and pharmaceutical solutions.

Nexcel® M312 was specifically developed to be a superior performing primary packaging film for terminally sterilized medical and pharmaceutical solutions. Nexcel® M312 is designed to be chemically inert and have extremely low levels of extractables with a wide range of solutions - even under the demanding conditions of 121°C autoclave sterilization. It is designed for demanding packaging applications such as saline, dextrose, dialysate solutions, irrigation solutions, parenteral drugs, and nutritional products, as well as a wide variety of non-sterilized products.

The film combines the following key benefits:

- **WIDER SEALING WINDOW FOR IMPROVED MACHINABILITY AND EASE OF HANDLING**
- **ROBUST FILM STRUCTURE RESULTS IN FEWER LEAKERS DURING PRODUCTION AND DISTRIBUTION**
- **OPTIMISED BARRIER PROPERTIES PRESERVE DRUG EFFICACY**
- **EXTREMELY LOW EXTRACTABLES FOR BROADER DRUG COMPATIBILITY AND EFFICACY**
- **EXCELLENT LOW TEMPERATURE ABUSE RESISTANCE**
- **EXCELLENT CLARITY**
- **HEAT SEALABLE**
- **PVC AND PHTHALATE FREE**
- **STERILIZABLE AT 121°C**
- **MEETS USP, EP, JP REQUIREMENTS, INCLUDING USP CLASS VI**
- **US DMF NO. 9705**

For more information or to contact Sealed Air about M312, please visit

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