

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.

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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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