

Technical Bulletin

Multilayer Film Structure

Saint-Gobain single-use bags are constructed of multilayer film optimized for bioprocess production applications. Film materials are consistent throughout the product range, and are certified to be free of materials of animal origin. Offering outstanding biocompatibility, chemical compatibility, barrier and strength properties, Saint-Gobain films meet the most demanding bioprocess applications.

Fluid Contact Layer - Low Density Polyethylene (LDPE)

Provides outstanding biocompatibility with broad chemical compatibility for safe handling of a wide range of biopharmaceutical liquids.

Gas Barrier Layer- Ethyl Vinyl Alcohol (EVOH)

Provides excellent barrier to the transmission of oxygen and carbon dioxide.

Strength Layer - Nylon

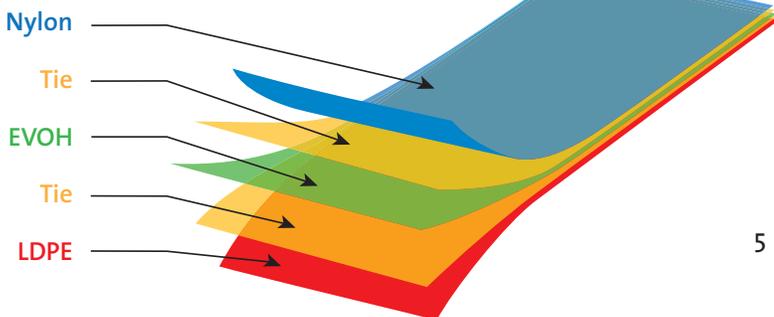
Provides outstanding impact and tear resistance, optimizing overall toughness of the bag.

Tie Structure

Multiple materials provide bonding between layers and add to overall performance of the bag.

Film Thickness

Liners: 5 mil
 50 ml to 1 liter bags: 7 mil
 2 liter to 2500 liter bags: 12 mil



Bags up to 1L
 7 mil Layer

Liners
 5 mil Layer

Bags 2L+
 12 mil total

Saint-Gobain Performance Plastics

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IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Performance Plastics products for all intended uses and that the materials to be used comply with all applicable medical regulatory requirements. Saint-Gobain Performance Plastics assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

WARRANTY: For a period of 12 months from the date of first sale, Saint-Gobain Performance Plastics warrants this product to be free of defects in materials and workmanship. Our only obligation will be to replace any portion proving defective, or at our option, to refund the purchase price thereof.