

LeDetic® Feeding Bag

LeDetic® feeding bags are manufactured from LePure's proprietary film, which is an electrostatic dissipative (ESD) grade material suitable for powder feeding. LeDetic® films are designed for powder applications, with low residue rates and anti-static properties to ensure the desired results. The LeDetic® film is designed to be used as a drop bag for quick and easy connection to existing processes.



Typical applications

In the production process of biological products, it is mainly used for transferring, weighing and feeding powdered materials.

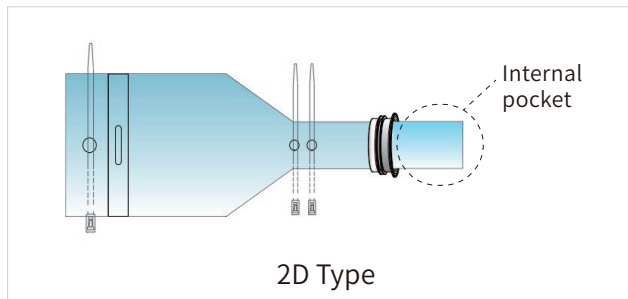
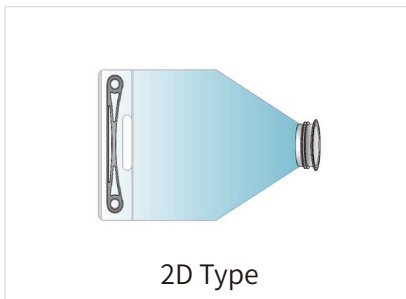
Advantage

- A variety of sizes are available to meet the needs of different sizes of powder handling capacity
- Select permanent antistatic LeDetic® films designed for powder feeding
- Powder transfer rate of more than 99.9%
- The highly transparent film allows the operator to see the powder transfer situation at a glance without damaging the protectiveness

Product Features

- Permanent electrostatic dissipative properties, increased powder recovery and reduced risks caused by static electricity
- Full product design to bring you a different loading and feeding experience
- Flexible size customization for all weight feeding needs

Product schematic diagram



Technical parameters

Physical Characteristics

Testing Standards	Test Items	Test Results
ASTM-D6988	Film thickness test (μm)	Pass
ASTM-882	Tensile strength MD (Mpa)	Pass
ASTM-882	Tensile strength TD (Mpa)	Pass
ASTM-F1306	Puncture strength (N)	Pass
ASTM-D1709	Falling dart impact (J)	Pass
ASTM-F392	Kneading line energy (pcs)	Pass
ASTM-D257	Surface resistivity (inner surface)	Pass
ASTM-D257	Surface resistivity (outer surface)	Pass

Biocompatibility

Testing Standards	Test Items	Test Results
USP<87>	In vitro biological response	Pass
USP<88>ClassVI	In vivo biological response	Pass
USP<661>	Physical and chemical properties testing of plastics	Pass
USP<85>	Bacterial endotoxins	Pass

Performance Testing

Testing Standards	Test Items	Test Results
Internal company standards	Temperature Tolerance	Pass
	-40°C	Pass
	20°C	Pass
	50°C	Pass
Internal company standards	Suspension test	Pass
	1L	Pass
	5L	Pass
	10L	Pass
	25L	Pass
	50L	Pass
	100L	Pass
ASTM F88	Heat seal strength test	Pass

Ordering information

LeDetic® Feeding Bag—3 inches

Bag Type	Catalog number	Capacity	Feeding specifications	Clamp Blanking Plate	Flushing Pipeline	Internal Extension Bag
2D Type	FN005-3D	5L	3 inches			
	FN010-3D	10L	3 inches			
	FN025-3D	25L	3 inches			
	FN050-3D	50L	3 inches			
	FNZ001-5D	1L	3 inches	✓		
	FNZ001-9D	1L	3 inches		✓	
	FNZ001-13D	1L	3 inches			✓
	FNZ001-17D	1L	3 inches	✓	✓	✓
	FNZ001-22D	1L	3 inches			
3D Type	FNZ005-5D	5L	3 inches	✓		
	FNZ010-5D	10L	3 inches	✓		
	FNZ025-5D	25L	3 inches	✓		
	FNZ050-5D	50L	3 inches	✓		
	FNZ005-9D	5L	3 inches		✓	
	FNZ010-9D	10L	3 inches		✓	
	FNZ025-9D	25L	3 inches		✓	
	FNZ050-9D	50L	3 inches		✓	
	FNZ005-13D	5L	3 inches			✓
	FNZ010-13D	10L	3 inches			✓
	FNZ025-13D	25L	3 inches			✓
	FNZ050-13D	50L	3 inches			✓
	FNZ005-17D	5L	3 inches	✓	✓	✓
	FNZ010-17D	10L	3 inches	✓	✓	✓
	FNZ025-17D	25L	3 inches	✓	✓	✓
	FNZ050-17D	50L	3 inches	✓	✓	✓
	FNZ005-22D	5L	3 inches			
	FNZ010-22D	10L	3 inches			
	FNZ025-22D	25L	3 inches			
	FNZ050-22D	50L	3 inches			

LeDetic® Feeding Bag—4 inches

Bag Type	Catalog number	Capacity	Feeding specifications	Clamp Blanking Plate	Flushing Pipeline	Internal Extension Bag
2D Type	FN005-1D	5L	4 inches			
	FN010-1D	10L	4 inches			
	FN025-1D	25L	4 inches			
	FN050-1D	50L	4 inches			
	FN005-2D	5L	4 inches		✓	
	FN010-2D	10L	4 inches		✓	
	FN025-2D	25L	4 inches		✓	
	FN050-2D	50L	4 inches		✓	
	FNZ001-10D	1L	4 inches		✓	
	FNZ001-14D	1L	4 inches			✓
	FNZ001-18D	1L	4 inches	✓	✓	✓
	FNZ001-23D	1L	4 inches			
	FNZ001-26D	1L	4 inches	✓		
3D Type	FNZ005-10D	5L	4 inches		✓	
	FNZ010-10D	10L	4 inches		✓	
	FNZ025-10D	25L	4 inches		✓	
	FNZ050-10D	50L	4 inches		✓	
	FNZ005-14D	5L	4 inches			✓
	FNZ010-14D	10L	4 inches			✓
	FNZ025-14D	25L	4 inches			✓
	FNZ050-14D	50L	4 inches			✓
	FNZ005-18D	5L	4 inches	✓	✓	✓
	FNZ010-18D	10L	4 inches	✓	✓	✓
	FNZ025-18D	25L	4 inches	✓	✓	✓
	FNZ050-18D	50L	4 inches	✓	✓	✓
	FNZ005-23D	5L	4 inches			
	FNZ010-23D	10L	4 inches			
	FNZ025-23D	25L	4 inches			
	FNZ050-23D	50L	4 inches			
	FNZ005-26D	5L	4 inches	✓		
	FNZ010-26D	10L	4 inches	✓		
	FNZ025-26D	25L	4 inches	✓		
	FNZ050-26D	50L	4 inches	✓		

LeDetic® Feeding Bag—6 inches

Bag Type	Catalog number	Capacity	Feeding specifications	Clamp Blanking Plate	Flushing Pipeline	Internal Extension Bag
2D Type	FN001-9D	1L	6 inches			
	FN005-9D	5L	6 inches			
	FN010-9D	10L	6 inches			
	FN025-9D	25L	6 inches			
	FN050-9D	50L	6 inches			
	FN100-9D	100L	6 inches			
	FNZ001-11D	1L	6 inches		✓	
	FNZ001-15D	1L	6 inches			✓
	FNZ001-21D	1L	6 inches		✓	✓
	FNZ001-24D	1L	6 inches			
3D Type	FNZ005-11D	5L	6 inches		✓	
	FNZ010-11D	10L	6 inches		✓	
	FNZ025-11D	25L	6 inches		✓	
	FNZ050-11D	50L	6 inches		✓	
	FNZ005-15D	5L	6 inches			✓
	FNZ010-15D	10L	6 inches			✓
	FNZ025-15D	25L	6 inches			✓
	FNZ050-15D	50L	6 inches			✓
	FNZ005-21D	5L	6 inches		✓	✓
	FNZ010-21D	10L	6 inches		✓	✓
	FNZ025-21D	25L	6 inches		✓	✓
	FNZ050-21D	50L	6 inches		✓	✓
	FNZ005-24D	5L	6 inches			
	FNZ010-24D	10L	6 inches			
	FNZ025-24D	25L	6 inches			
	FNZ050-24D	50L	6 inches			

LeDetic® Feeding Bag—8 inches

Bag Type	Catalog number	Capacity	Feeding specifications	Clamp Blanking Plate	Flushing Pipeline	Internal Extension Bag
2D Type	FN005-11D	5L	8 inches			
	FN010-11D	10L	8 inches			
	FN025-11D	25L	8 inches			
	FN050-11D	50L	8 inches			
	FN100-11D	100L	8 inches			
	FNZ001-8D	1L	8 inches	✓		
	FNZ001-12D	1L	8 inches		✓	
	FNZ001-16D	1L	8 inches			✓
	FNZ001-20D	1L	8 inches	✓	✓	✓
	FNZ001-25D	1L	8 inches			
3D Type	FNZ005-8D	5L	8 inches	✓		
	FNZ010-8D	10L	8 inches	✓		
	FNZ025-8D	25L	8 inches	✓		
	FNZ050-8D	50L	8 inches	✓		
	FNZ005-12D	5L	8 inches		✓	
	FNZ010-12D	10L	8 inches		✓	
	FNZ025-12D	25L	8 inches		✓	
	FNZ050-12D	50L	8 inches		✓	
	FNZ005-16D	5L	8 inches			✓
	FNZ010-16D	10L	8 inches			✓
	FNZ025-16D	25L	8 inches			✓
	FNZ050-16D	50L	8 inches			✓
	FNZ005-20D	5L	8 inches	✓	✓	✓
	FNZ010-20D	10L	8 inches	✓	✓	✓
	FNZ025-20D	25L	8 inches	✓	✓	✓
	FNZ050-20D	50L	8 inches	✓	✓	✓
	FNZ005-25D	5L	8 inches			
	FNZ010-25D	10L	8 inches			
	FNZ025-25D	25L	8 inches			
	FNZ050-25D	50L	8 inches			

Feeding bracket

Catalog number	Capacity	Description
TLZJ-5-10	5L	Compatible with 5L 3D Type Feeding Bag
TLZJ-25-50	25L	Compatible with 25L 3D Type Feeding Bag
TLZJ-10-FNZ	10L	Compatible with 10L 3D Type Feeding Bag
TLZJ-50-FNZ	50L	Compatible with 50L 3D Type Feeding Bag

Clamp Blanking Plate & Seal Clip

Catalog number	Description
T3	3" Gasket + Clamp Blanking Plate
T4	4" Gasket + Clamp Blanking Plate
T5	8" Gasket + Clamp Blanking Plate
CP220	Feeding Port Clamp

Note:

The flushing pipelines are all 3/8"*5/8" (9.6*15.9mm) platinum-cured silicone tubes, 20cm long, with quick-connect female fittings.