

Product Description

Filter media needs to be able to dissipate the electric charge that develops during processing, otherwise the unwanted build-up can cause electrostatic discharge which can lead to explosions, fires, or personal injury.

This highly durable, anti-static polyester felt sock filter is the standard choice for chemical process applications involving powder handling that require dust collection with static dissipation.

Powder Pump Size	Part Number	Part Description
PP-04 and PP-06	480360G	6" Filter Sock
PP-08 and PP-10	480380G	8" Filter Sock
PP-12	480312G	12" Filter Sock

Product Features

- Gore™ ePTFE laminated membrane technology provides excellent filtration efficiency, airflow, and durability.
- Carbon-filled poly-acrylonitrile copolymer fibers provide static dissipation and electrical conductivity levels in accordance with NFPA-99 and DIN 543455 test procedures.
- Polyester fibers provide good all-around chemical resistance, especially in applications operated below 79 °C (175 °F).
- Special multifilament scrim design provides excellent dimensional stability and resistance to mechanical damage over the life of the filter.



Laminar Technical Data

Weight:	475 g/m ² (14 oz/yd ²)
Fiber Content	
Staple 1:	Polyethylene Terephthalate
Staple 2:	Carbon-Filled Poly-Acrylonitrile copolymer
Scrim:	Polyester Multifilament
Felt Construction:	Supported Needlefelt
Continuous Operating Temperature:	135 °C (275 °F)
Maximum Surge Temperature:	149 °C (300 °F)
Acid Resistance:	Fair
Alkali Resistance:	Fair
Breaking Strength	
Warp:	1112 N/5 cm (250 lb/2 in) wide sample
Fill:	1557 N/5 cm (350 lb/2 in) wide sample
Mullen Burst:	2413 kPa (500 psi)
Thickness:	1.73 mm (0.068 in)
Static Decay Time:*	0.01 seconds (NFPA 99)

All data expressed as typical values. This technical data is subject to change.

* Static Decay Time determined using National Fire Protection Agency (NFPA) Code 99, Chapter 12, Method 4046 of Federal Test Method Standard 101C. Samples were conditioned at 70 °F, 40% relative humidity. This test measures the rate of static decay for textiles. A decay time of less than 0.5 seconds is required to pass the test.

Collection Efficiency Data: Count Basis - Test Parameters

Material: Powder Pump Standard Polyester Felt Sock Filter Media
 Particulate: Charge Neutralized Sodium Chloride Aerosol
 Air-to-Cloth Ratio: 10.59 cfm/ft²
 Room Humidity & Temperature: 40% R.H. at 70° F
 Counter: PMS Laster Aerosol Spectrometer

Particle Size µm	% Efficiency	Upstream Counts	Downstream Counts
0.10-0.12	96.769859	65616	15440
0.12-0.15	97.340561	93549	17897
0.15-0.20	98.319832	139926	17509
0.20-0.25	99.484352	11881	438
0.25-0.35	99.681374	14328	321
0.35-0.45	99.848328	6743	70
0.45-0.60	99.918434	1387	8
0.60-0.75	99.916420	273	2
0.75-1.00	99.961014	148	1



The particle count numbers listed in the table must be adjusted to account for different sampling periods (volumes) upstream and downstream, prior to calculating percent efficiency.

FOR INDUSTRIAL USE ONLY.

Not for use in food, drug, cosmetic or medical device manufacturing, processing, or packaging operations.

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