



## DURABOND Filter Cartridges

- thermally bonded
- polypropylene / polyethylene

DURABOND cartridges are the most economical high strength filter cartridges available. Featuring an integral rigid thermally bonded construction, the DURABOND provides consistent filtration for a wide variety of fluids.

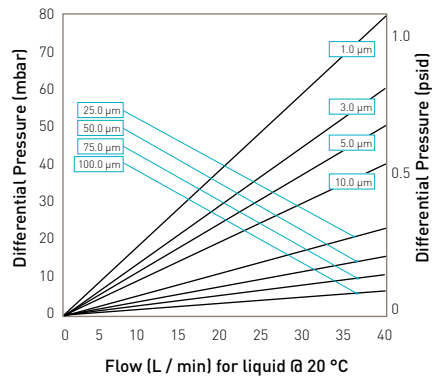
Its fixed pore structure acts as a sieve-like particle 'classification' filter for pigmented coatings allowing pigments to pass while stopping large agglomerates.

### Features and Benefits

- Fixed pore structure provides efficiency, integrity and optimum particle retention
- Thermally bonded bicomponent fibre matrix provides rigid dimensionally stable construction without fibre migration
- Rigid construction eliminated contaminant unloading and channelling
- Corrugated porous surface maximises dirt holding capacity
- Silicone free construction will not change coating properties



### Performance Characteristics



10" Size (250 mm) Cartridge

## DURABOND Filter Cartridges

### Specifications

#### Materials of Construction

- Filtration Media: Thermal Bonded bicomponent matrix of polypropylene / polyethylene
- End Caps / Adapters: Polyolefin copolymer (optional)
- Seal Options: Refer to ordering information

#### Dimensions

1-1/16 in (27 mm) ID x 2-7/16 (62 mm) in OD

#### Recommended Operating Conditions

Maximum Temperature  
80°C (175°F)

Maximum Differential Pressure  
6.8 bar (100 psid) at 27°C (72°F)  
3.4 bar (50 psid) at 80°C (175°F)

Maximum Flow Rate  
18.9 lpm per 10" in length

Changeout dP  
2.1 bar (30 psid)

#### Retention Characteristics

The retention characteristics of DURABOND filter cartridges have been determined by a single-pass technique using suspensions of ISO 12103 Pt. 1 A2 Fine and A4 Course test dust in water.

	Micron Rating at Various Efficiencies			
	99-90% 1000	99% 100	95% 20	90% 10
1	5	4	2	1
3	10	8	4	3
5	20	16	10	5
10	30	25	15	10
25	55	50	30	25
50	90	80	70	50
75	>100	>100	100	75
100	>100	>100	>100	100

### Applications

- Photographic chemicals
- Plating solutions
- Bleach
- Organic solvents
- Membrane prefiltration
- Industrial coatings
- Magnetic coatings
- Processing fluids

### Ordering Information

Code   Micron	Code   Material	Code   Length (Nominal)	Code   End Fitting	Code   Seal Material
1 1 µm	M FDA Grade Polypropylene	9-4 9.75" (247 mm)	None DOE (w/o gaskets)	None No Seal Material (Std DOE)
3 3 µm		10 10" (254 mm)	AR 020 / Flat (Gelman)	P Poly Foam Gaskets w / Collars (DO only)
5 5 µm		19-4 19.50" (495 mm)	DO Double open end (DOE)	E EPR
10 10 µm		20 20" (508 mm)	LL 120 O-Ring both ends*	N Buna-N
25 25 µm		29-4 29.25" (743 mm)	LR 120 O-Ring / Recessed*	S Silicone (O-Ring only)
50 50 µm		30 30" (762 mm)	OB Standard open End / Polypro spring closed end	T PFA Encapsulated Viton** (222, 226 O-Ring only)
75 75 µm		39-4 39" (991 mm)	PR 213 O-Ring Recessed*	V Viton**
100 100 µm		40 40" (1016 mm)	SC 226 O-Ring / Flat	W Poly Foam Gaskets without collars (DO only)
		50 50" (1270 mm)	SF 226 O-Ring / Fin	
			TC 222 O-Ring / Flat	
			TF 222 O-Ring / Fin	
			TX 222 O-Ring / Flex Fin	
			XA DOW w / Extended Core	
			XB Ext. Core open end Polypropylene spring closed end	

\*Available only in 9.75" [9-4] and 19.5" [19-4]

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