

# DuraBond™

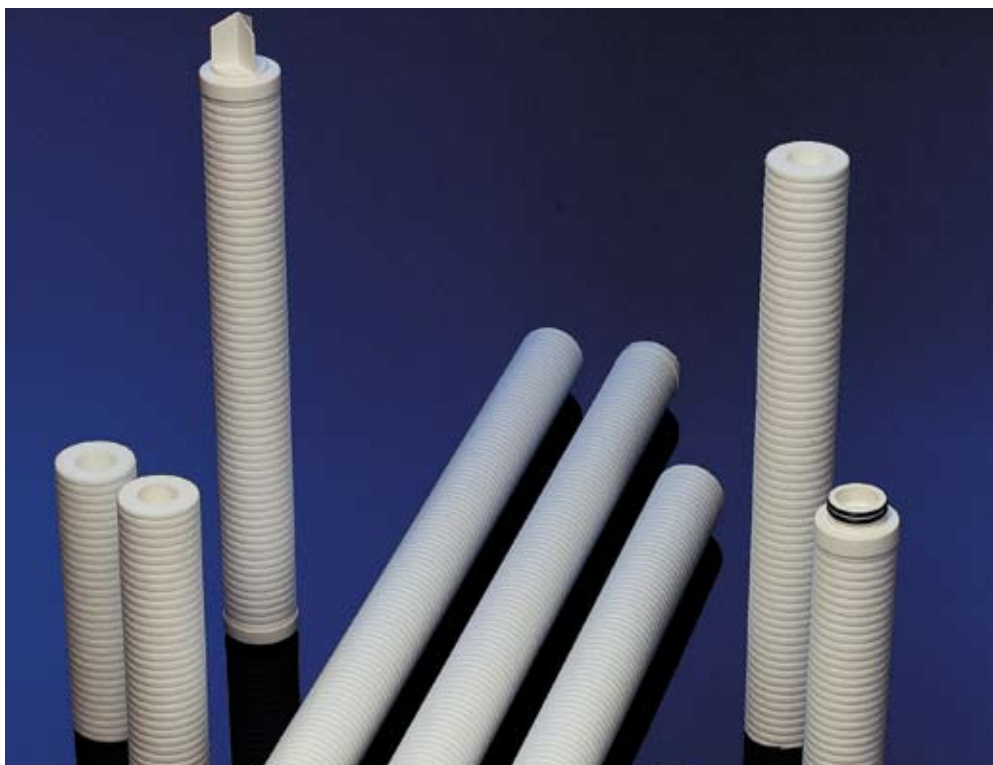
## Depth Filter Cartridges



## Economical Filtration With High Strength Thermally Bonded Depth Cartridges

Parker's Fulflo® 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.

DuraBond™ Cartridges are available in nominal ratings of 1 to 100 micron.



## Applications:

- Chemicals
- Plating Solutions
- Organic Solvents
- Cosmetics & Toiletries
- Food & Beverages
- Chemical Processing Fluids
- Deionised Water
- Bleach
- Industrial and Magnetic Coatings

## Product Features:

- Fixed pore structure provides efficiency, integrity, optimum particle retention and "classification" effect
- Thermally bonded bicomponent fibre matrix provides rigid dimensionally stable construction without fibre migration
- Rigid construction eliminates contaminant unloading and channelling
- Corrugated porous surface maximises dirt holding capacity
- Silicone free construction for applications
- All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21

# DuraBond™

## Specifications

### Filtration Rating

90% at specified micron rating

### Materials of Construction

Filter Media: Thermal-bonded bicomponent matrix of Polypropylene and Polyethylene  
Support Core: Coreless  
End Caps: Polyolefin copolymer

### Dimensions

OD: 62 mm  
ID: 27 mm

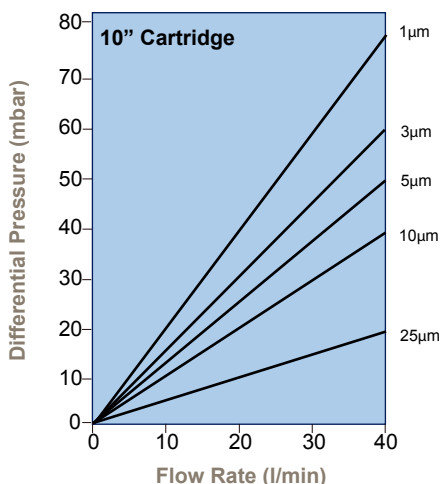
### Maximum Operating Conditions

Max Temperature: 80°C at 3.4 bar  
Max Pressure: 6.8 bar at 27°C  
Max Flow Rate: 38 l/min per 10"

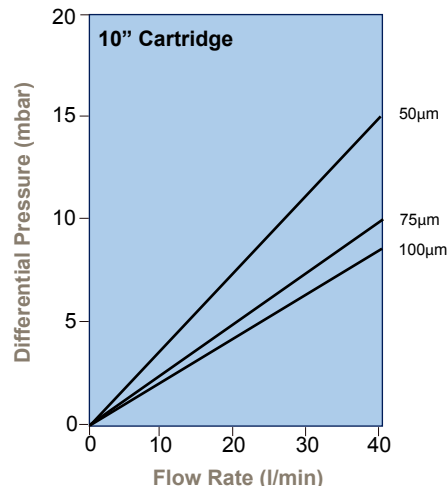
### Recommended Operating Conditions

Change-Out Pressure: 2.1 bar  
Flow Rate: 9.5 l/min per 10"

### Flow rate vs. ΔP (1 cks liquid @ 23°C)



### Flow rate vs. ΔP (1 cks liquid @ 23°C)

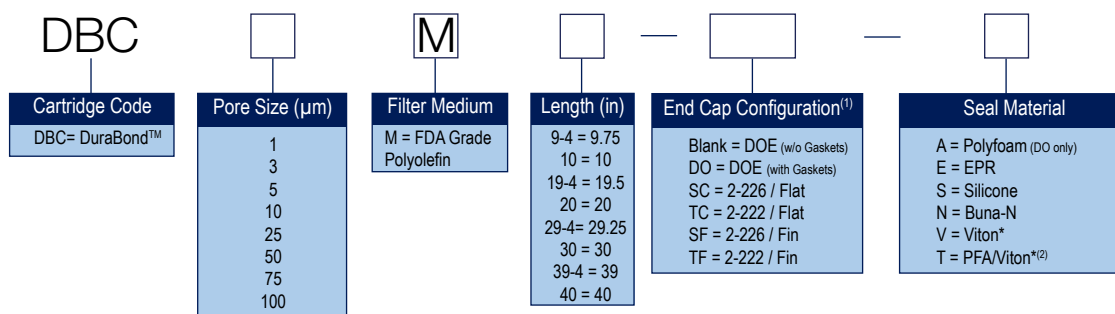


### Flow Factor Table\*\*

DuraBond	1µm	3µm	5µm	10µm	25µm	50µm	75µm	100µm
Flow factor (mbar / l/min @ 1cks)	1.98598	1.58514	1.33006	1.05676	0.56482	0.40084	0.2733	0.21864

Cartridge Code	90%	95%	99%	99.9%
DBC1	1	2	4	5
DBC3	3	4	8	10
DBC5	5	10	16	20
DBC10	10	15	25	30
DBC25	25	30	50	55
DBC50	50	70	80	90
DBC75	75	100	>100	>100
DBC100	100	>100	>100	>100

## Ordering Information:



1 - More options available, please consult with manufacturing

2 - O-Rings Only

\* - Trademark of E.I. duPont de Nemours & Co.

\*\* - Flow factor required for sizing. Refer to page 62 for further information



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**Map and Directions to Prosep Filters Limited**



Leave M62 at Junction 24.

At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.

Take 1st exit slip road.

At roundabout at end of sliproad, take 3rd exit off.

This is the entrance to Lowfields Business Park.

Proceed straight over 1st roundabout.

At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

[Link to Google Maps](#)