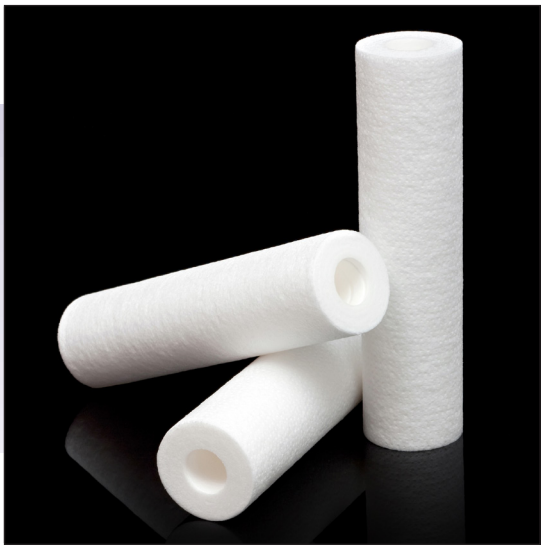
porvair filtration group

Tekfil™HV

High Viscosity Filter Cartridge for the Filtration of Gels and Viscous Fluids



Tekfil™ HV meltblown filter cartridges are designed specifically for the filtration of high viscosity fluids, such as paints, inks and resins. The graded density of depth filters is highly suited for the retention of gels and other deformable particles.

The Tekfil™ HV filters are manufactured by controlling the fibre diameters which maintain high tensile strength, high void volume and higher differential pressure than conventional meltblown filters.

The all-polypropylene construction of the filters are free from silicone and binders and ensures zero fibre mitigation during the recommended process conditions. All Tekfil™ HV filters are available with a wide range of thermally welded endcaps.

Typical Applications

- High Viscosity Fluids
- Paints
- Inks
- Coatings
- Resins

Features and Benefits

- Graded depth media
- High degree of chemical compatability
- High dirt holding capacity
- Absolute and nominal removal ratings
- Silicone Free

Ordering Information

Product Code: 1 2 3 4 5 6

1: Pre-Filter	
TGV	Tekfil™ GV

2: Pore rating*	
01	1µm
03	3µm
20	20µm

3: Version	
S	Standard Hard Cage

4: Length (Nominal)	
1	10" (254mm)
2	20" (508mm)
3	30" (762mm)
4	40" (1016mm)

5: End Fitting	
A	Code 3
B	Code 7
C	Code 8
F	N SOE
G	G DOE (short)
H	G SOE
J	216 (218), fin
K	Code 2
L	223, fin (no lugs)
M	DOE
S	Code 28, fin (3 lugs)
T	223, flat (no lugs)
U	224, fin
V	226, fin
Y	BS832, flat

6: Seals	
A	Ethylene Propylene
B	Silicone
C	Viton®
D	Nitrile
E	FEP Encap. Viton®
G	FEP Encap. Silicone
J	DOE PTFE

Specifications

Materials of Manufacture

Filter media:	Polypropylene
End fittings:	Polypropylene

Cartridge Dimensions (Nominal)

Diameter: 63mm (2.5")

Length: 254mm (10"),
508mm (20")
762mm (30"),
1016mm (40")

Gaskets and O-Rings

Ethylene Propylene, FEP encapsulated, Silicone, Viton®, Nitrile or Polypropylene felt available for non crush-fit end adapters.

Maximum Differential Pressure

Normal flow direction at:

20°C (68°F): 5 bar (73psi)

Recommended Changeout Pressure

2.5 bar (36psi)

Operating Temperature

Maximum continuous: 80°C (176°F)

Extractables

Minimum total extractables.

Contact Information:

UK, New Milton Division
Tel: +44 (0)1425 612010
info@porvairfiltration.com

US, Ashland Division
Tel: +1 804 550 1600
infoUS@porvairfiltration.com

India, Mumbai Division
Tel: +91 22 2081 1148
infoIN@porvairfiltration.com