



TCLP glass fibre filters



Low extractable, binder-free borosilicate glass fibre filters. Suitable for use of the EPA 1311 Toxicity Characteristics Leaching Procedure and for prefiltration of dirty HPLC samples.

Thickness	432 µm
Pore size	0,7 µm

Size (mm)	Pk	Cat. No.
13	100	516-9126
47	50	513-0026
90	50	513-0024
110	50	513-0027
142	50	513-0025

Glass microfibre filters Whatman (GE Healthcare)



These depth filters combine fast flow rates with high loading capacity and the retention of very fine particles, extending into the submicron range. Can be used at temperatures up to 500 °C and are ideal for use in applications involving air filtration and for gravimetric analysis of volatile materials where ignition is involved.

Grade	Application
GF/A	Efficient general filters, widely used for air pollution monitoring.
GF/B	Three times thicker than GF/A with higher wet strength and increased loading capacity. Recommended for concentrated suspensions and retention of small particles. Suitable for suspended solids in industrial effluents, especially at high loading.
GF/C	Combines fine particle retention with good flow rate. Used for collection of suspended solids in potable water and natural and industrial waste. Widely used in biochemistry for cell harvesting, liquid scintillation counting and binding assays.
GF/D	General purpose membrane prefilter with high loading capacity.
GF/F	Very high retention for filtering fine particles. EPA standard for toxicity Characteristic Leaching Procedure, method 1311. Recommended for DNA binding and purification.
QM-A	Ultra-fine quartz (SiO ₂) microfibre filter for critical work in air pollution monitoring in stacks, flues and aerosols up to 500 °C. The filter contains 5% borosilicate glass as a binder and is extremely low in heavy metals and alkaline earth metals.
934-AH	Specified for water pollution monitoring, cell harvesting, liquid scintillation counting and air pollution monitoring.
QM-H	Pure quartz fibre filter with low heavy metal content, which can be used at temperatures up to 900 °C.
EPM 2000	For use in high volume PM-10 air sampling equipment that collects atmospheric particulates and aerosols. Manufactured from 100% pure borosilicate glass of special purity enabling detailed chemical analysis of trace pollutants to take place with the minimum of interference or background. Sheets are individually numbered to facilitate identification.
GMF 150	Multilayer glass microfibre filter with a coarse top layer (10 µm) and meshed with a final layer of 1 or 2 µm. Manufactured from 100% borosilicate glass microfibre, the filter is binder free. It is an excellent prefilter for higher particulate loading capacity with faster flow rates.

Grade	Weight	Thickness	Particle retention	Filtration speed	Airflow rate
GF/A	53 g/m ²	260 µm	1,6 µm	62 s (Herzberg)	4,3 s/100 ml/6,5 cm ²
GF/B	143 g/m ²	675 µm	1,0 µm	195 s (Herzberg)	12 s/100 ml/6,5 cm ²
GF/C	53 g/m ²	260 µm	1,2 µm	100 s (Herzberg)	6,7 s/100 ml/6,5 cm ²
GF/D	121 g/m ²	675 µm	2,7 µm	41 s (Herzberg)	2,2 s/100 ml/6,5 cm ²
GF/F	75 g/m ²	420 µm	0,7 µm	325 s (Herzberg)	19 s/100 ml/6,5 cm ²
934-AH	64 g/m ²	435 µm	1,5 µm	47 s (Herzberg)	3,7 s/100 ml/6,5 cm ²
QM-A	85 g/m ²	450 µm	2,2 µm	-	6,4 s/100 ml/6,5 cm ²
QM-H		430 µm	-	-	-
EPM 2000		450 µm	2,0 µm	-	4,7 s/100 ml/6,5 cm ²

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