



Pallflex® Filters Emfab™ and Tissuquartz™ Filters

Emfab – preferred filters for diesel exhaust and stack emission testing

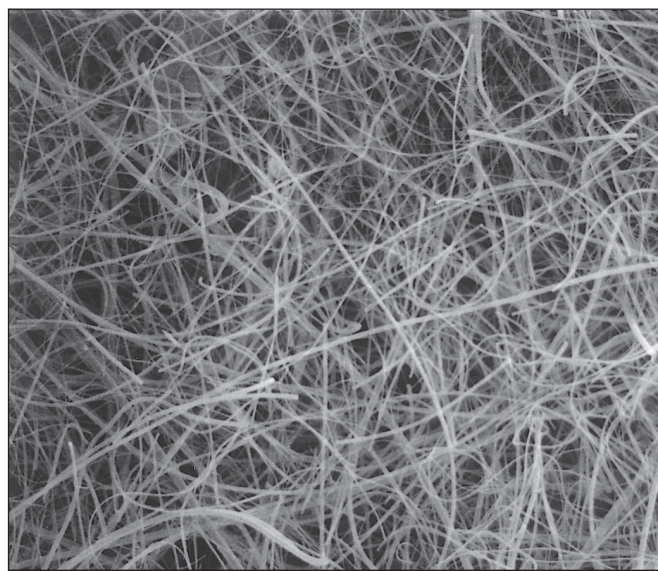
Pure borosilicate glass microfibers reinforced with woven glass cloth and bonded with PTFE

- Withstands folding for weighing and transport
- Every filter flushed with DI water to remove water-soluble residue
- Low moisture pickup eliminates lengthy desiccations
- Low air resistance

Tissuquartz – uniquely designed for air monitoring in high temperatures and aggressive atmospheres

Binder-free pure quartz

- Heat treated for reduction of trace organics and superior chemical purity
- High temperature use up to 1093 °C (2000 °F)
- High flow rate and filtration efficiency



- Tissuquartz Filters – High temperature use for analysis of acidic gases and stack sampling aerosols. Ultra-pure soft water processing reduces residual ion content.

Applications

- Emfab Filters – Low air resistance for use in critical aerosol sampling tests that demand filter purity and non-hygroscopic properties such as diesel exhaust, stack emission control, and ambient air monitoring for particulate concentration.

Specifications

Description	Emfab Filters	Tissuquartz Filters
Filter Media	Borosilicate microfibers reinforced with woven glass cloth and bonded with PTFE	Pure quartz, no binder
Diameter	12 – 142 mm [and 8 x 10 in. (20 x 25 cm)]	25 – 142 mm [and 8 x 10 in. (20 x 25 cm)]
Typical Thickness	178 µm (7 mils)	432 µm (17 mils)
Typical Filter Weight	5.0 mg/cm ²	5.8 mg/cm ²
Typical Water Flow Rate at 0.35 bar (5 psi)	32 mL/min/cm ²	220 mL/min/cm ²
Typical Air Flow Rate at 0.7 bar (10 psi)	68 L/min/cm ²	73 L/min/cm ²
Maximum Operating Temperature – Air	260 °C (500 °F)	1093 °C (2000 °F)
Typical Aerosol Retention*	99.95%	99.90%
pH in Boiled Water Extract	Not available	6.5 – 7.5

*Following ASTM D 2986-95A 0.3 µm (DOP) at 32 L/min/100 cm² filter media

Ordering Information

Tissuquartz™ Filters, 2500 QAT-UP

Heat Treated

Part Number	Description	Pkg
7200	25 mm	100/pkg
7201	37 mm	25/pkg
7202	47 mm	25/pkg
7203	90 mm	25/pkg
7204	8"x10"	25/pkg
7205	82.6 mm	25/pkg
7206	85 mm	25/pkg
7207	102 mm	25/pkg
7250	110 mm	25/pkg

Die Cut

7200D	25 mm	100/pkg
7202D	47 mm	25/pkg
7205D	82.6 mm	25/pkg

Non- Heat Treated

7194	47 mm	25/pkg
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Emfab™ Filters

Part Number	Description	Pkg
7217	TX40HI20WW 37 mm	100/pkg
7218	TX40HI20WW 81 mm	100/pkg
7219	TX40HI20WW 25 mm	100/pkg
7221	TX40HI20WW 47mm	100/pkg
7222	TX40HI20WW 70 mm	100/pkg
7223	TX40HI20WW 90 mm	100/pkg
7224	TX40HI20WW 8"x10"	100/pkg
7225	TX40HI20WW 110 mm	100/pkg
7228	TX40HI20WW 10 mm	100/pkg
7234	TX40HI20WW 85 mm	100/pkg
7253	TX40HI20WW 82.6 mm	100/pkg

Complementary Products

Filter Holders

Part Number	Description	Pkg
1107	25 mm Open-face filter holder	6/pkg
1219	37 mm Open-face aluminum filter holder	1/pkg
1220	47 mm Open-face aluminum filter holder	1/pkg
2220	47 mm In-line stainless steel filter holder	1/pkg



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