

TECHNICAL DATA SHEET

P84 Polyimide Needle Felt PI

Polyimide (P84 type) tri-lobal staple

DESCRIPTION

The tri-lobal fibre cross-section presents far more surface area than round fibre and captures the finest dust. The right choice where emission limits are tightest.

TYPICAL APPLICATIONS

Cement kiln tail (low emission) · waste incineration · chemical plants · EU/EPA compliance baghouses.

PHYSICAL & MECHANICAL PROPERTIES

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
Mass per unit area	g/m ²	500 – 600	ISO 9073-1 / GB/T 24218.1
Thickness	mm	1.8 – 2.0	ISO 9073-2 / GB/T 24218.2
Air permeability	L/dm ² /min	150 – 200	ISO 9237 / GB/T 5453, @ 200 Pa
Breaking strength, warp / weft	N	> 900 / > 1200	ISO 13934-1 / GB/T 3923.1

SERVICE TEMPERATURE & CHEMICAL RESISTANCE

CONTINUOUS ≤ 260 °C	PEAK / SURGE 280 °C
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Acid ★★★ Hydrolysis ★★

★★★ excellent · ★★ good · ○ limited

SURFACE TREATMENTS AVAILABLE

Singeing · calendering · heat setting · PTFE solution impregnation · ePTFE membrane on request

SUPPLY

Supplied as roll goods or as finished filter bags made to the customer's drawing — any diameter and length, with snap-ring, sewn cuff or clamp-band top and a choice of bottom construction. Cages, venturis and accessories can be supplied with the bags. Please refer to the corresponding filter-bag data sheet.