

TECHNICAL DATA SHEET

Acrylic Needle Felt KZ

Homopolymer acrylic staple

DESCRIPTION

Acid resistance and hydrolysis resistance combined. Built for humid, chemically loaded medium-temperature dust, where polyester fails and PPS is over-specified.

TYPICAL APPLICATIONS

Coal-fired power boilers · sinter plants · cement kiln tail (medium temperature) · lime kilns.

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 – 2.3	ISO 9073-2 / GB/T 24218.2
Air permeability	L/dm ² /min	180 – 300	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 ≤ 125 °C	PEAK / SURGE 140 °C
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Acid ★★★ Hydrolysis ★★

★★★ excellent · ★★ good · ○ limited

SURFACE TREATMENTS AVAILABLE

Singeing · calendering · heat setting

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.