TECHNICAL DATA SHEET

Polyester Needle Felt PET

Polyester (PET) staple on polyester scrim

DESCRIPTION

The most widely used ambient-temperature filter medium. High abrasion and flex resistance; the singed and calendered surface releases dust cleanly.

TYPICAL APPLICATIONS

Cement raw mill · asphalt batching · food and pharmaceutical · woodworking · general industrial dust collection.

PHYSICAL & MECHANICAL PROPERTIES

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
Mass per unit area	g/m²	**500 – 650**	ISO 9073-1 / GB/T 24218.1
Thickness	mm	**1.8 – 2.6**	ISO 9073-2 / GB/T 24218.2
Air permeability	L/dm²/min	**180 – 260**	ISO 9237 / GB/T 5453, @ 200 Pa
Breaking strength	N	**≥ 1200**	ISO 13934-1 / GB/T 3923.1
Thermal shrinkage, warp	%	**≤ 1**	3 h at rated continuous temperature

SERVICE TEMPERATURE & CHEMICAL RESISTANCE

CONTINUOUS

≤ 130 °C

PEAK / SURGE

150 °C

Acid ★★★ **Alkali** ○

★★★ excellent · ★★ good · ○ limited

SURFACE TREATMENTS AVAILABLE

Singeing · calendering · heat setting · PTFE solution impregnation · ePTFE membrane lamination · water & oil repellent · anti-static

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.

Values shown are typical properties of the standard product and are not a specification. Actual properties are confirmed on the order acknowledgement and on the mill test certificate supplied with each delivery. Service temperature depends on the complete gas composition; consult us before selecting a medium for an unfamiliar duty. Subject to change without notice.

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