

TECHNICAL DATA SHEET

Polypropylene Needle Felt PP

Polypropylene (PP) staple on polypropylene scrim

DESCRIPTION

Excellent acid and alkali resistance and outstanding hydrolysis resistance. The first choice for aggressive chemistry and humid gas at moderate temperature, where polyester would degrade.

TYPICAL APPLICATIONS

Chemical and pharmaceutical · pigments and paint · battery manufacturing · food-grade duty where polyester is unsuitable.

PHYSICAL & MECHANICAL PROPERTIES

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
Mass per unit area	g/m ²	450 – 600	ISO 9073-1 / GB/T 24218.1
Thickness	mm	1.7 – 2.5	ISO 9073-2 / GB/T 24218.2
Air permeability	L/dm ² /min	180 – 260	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 ≤ 90 °C	PEAK / SURGE 100 °C
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Acid ★★★ Alkali ★★★

★★★ excellent · ★★ good · ○ limited

SURFACE TREATMENTS AVAILABLE

Singeing · calendering · heat setting · anti-static · water & oil repellent

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.