

TECHNICAL DATA SHEET

Meta-aramid (Nomex type) Needle Felt AR

Meta-aramid staple on meta-aramid scrim

DESCRIPTION

Meta-aramid fibre. Outstanding high-temperature performance with good flex life and excellent abrasion resistance.

TYPICAL APPLICATIONS

Steel sintering · cement plants · asphalt mixers · carbon black · metal smelting · glass furnace (medium temperature).

PHYSICAL & MECHANICAL PROPERTIES

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
Mass per unit area	g/m ²	500 – 550	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	180 – 260	ISO 9237 / GB/T 5453, @ 200 Pa
Breaking strength, warp / weft	N	> 1000 / > 1200	ISO 13934-1 / GB/T 3923.1

SERVICE TEMPERATURE & CHEMICAL RESISTANCE

CONTINUOUS ≤ 204 °C	PEAK / SURGE 240 °C
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Acid (dry gas) ★★ Alkali (dry gas) ★★

★★★ excellent · ★★ good · ○ limited

Note. Chemical ratings apply to dry gas. Meta-aramid is subject to hydrolysis; consult us where moisture and acid are present together.

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.