

NP 70 FR

Application:

Gas Turbine pulse jet
Industrial Air Pulse Jet

Grade : NF004130

Characteristics:

- Acrylic and water resistant product
- Corrugated version
- Nano fibers in upstream side
- Efficiency : F9 according to EN779-2012
- Flame retardant media respecting F1 request (DIN53438)

Physical properties	Metric Units	Test method	Target
Grammage	gsm	TM-CQ/004 – ISO 536 – BS3432	130
Thickness (@100 kPa)	micron	TM-CQ/006	300
Corrugation Depth (@100 kPa)	micron	TM-CQ/006	430
Dry Burst strength	kPa	TM-CQ/008 – ISO2758 – BS3137	290
Wet Burst strength	kPa	TM-CQ/008 – ISO2758 – BS3137	200
Dry MD/CD Tensile strength	kN/m	TM-CQ/024 – UNI 6438/1 – ISO 1921/2	5.6/3.0
Wet CD Tensile strength	kN/m	TM-CQ/024 – UNI 6438/1 – ISO 1921/2	1
Stiffness	mg	TM-CQ/012 – TAPPI T543	3500
Air permeability (*)	l/m²s	ISO 9237	150
Max Pore Size (*)	micron	TM-CQ/013	56
Air Flow Resistance @ 5.33cm/s, 32L/min	mmH ₂ O Pa	ASTM D2986	8.0 78
DOP Efficiency 0.3 μm @ 5.33cm/s	%	ASTM D2986 70↑	70
Physical properties	US Units	Test Method	Target
Grammage	lbs/3000 ft²	TM-CQ/004 – ISO 536 – BS3432	79.7
Thickness (@100 kPa)	mils	TM-CQ/006	11.8
Corrugation Depth (@100 kPa)	mils	TM-CQ/006	16.9
Dry Burst strength	psi	TM-CQ/008 – ISO2758 – BS3137	42.0
Wet Burst strength	psi	TM-CQ/008 – ISO2758 – BS3137	29.0
Dry MD/CD Tensile strength	lbsf/inch	TM-CQ/024 – UNI 6438/1 – ISO 1921/2	32.0/17.1
Wet CD Tensile strength	lbsf/inch	TM-CQ/024 – UNI 6438/1 – ISO 1921/2	5.7
Stiffness	mg	TM-CQ/012 – TAPPI T543	3500
Frazier permeability (*)	cfm	TAPPI T 251	19
Max Pore Size (*)	micron	TM-CQ/013	56
Air Flow Resistance @ 5.33cm/s, 32L/min	mmH ₂ O Pa	ASTM D2986	8.0 78
DOP Efficiency 0.3 μm @ 5.33cm/s	%	ASTM D2986 70↑	70

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Test Methods are conform to "Internal Methods" of Ahlstrom Italy S.p.a. Data are taken from typical production runs.

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