

TECHNICAL DATASHEET

CARTRIDGE Ø 324 H=660 MQ 21 NANOFIBER FR OPEN/OPEN

Main end-use:

Industrial/Gas Turbine

Product characteristics:

- o Corrugated
- o Paper containing synthetic fibers (90/10)
- o Nano fibers in upstream side
- o Latex water based
- o Hydrophobic
- o Flame retardant media complying with F1 request (DIN 53 438)
- o Efficiency: F9 (ref. EN779-2012) according to internal evaluation
- o Suitable for pulse jet
- o No curing media
- o A pre-heating system is recommended

Physical properties	conditions	Metric Unit	Test Method - Norm	Target
Grammage	/	g/m²	TM-CQ/004 - ISO536 - BS3432	130
Thickness (overall)	20 kPa	µm	TM-CQ/005 - ISO3034	/
Thickness (partial)	134 kPa	µm	TM-CQ/006 - ISO534 (adapted)	360
Corrugation		µm		440
Air permeability	2mBar/20cm²	L/m²/s	TM-CQ/027 - ISO9237 - DIN53887	140
Burst strength	Dry	kPa	TM-CQ/008 - ISO2758 - BS3137	200
Stiffness MD	Dry, by Gurley	g	TM-CQ/012 - TAPPI T543	3.5
MD Tensile Strength	Dry	kN/m	TM-CQ/024 - UNI 6438/1 - ISO1924/2	4.3
CD Tensile Strength	Dry	kN/m	TM-CQ/024 - UNI 6438/1 - ISO1924/2	2.5
CD Tensile Strength	Wet	kN/m	TM-CQ/024 - UNI 6438/1 - ISO1924/2	1.0
Max pore size	By bubble test	µm	TM-CQ/013 - internal method	56
Physical properties	conditions	US Unit	Test Method - Norm	Target
Grammage	/	lbs/3000ft²	TM-CQ/004 - ISO536 - BS3432	80
Thickness (overall)	20 kPa	mils	TM-CQ/005 - ISO3034	/
Thickness (partial)	134 kPa	mils	TM-CQ/006 - ISO534 (adapted)	14.1
Corrugation		mils		17.3
Air permeability	200Pa/20cm²	cfm	TM-CQ/027 - ISO9237 - DIN53887	17.4
Burst strength	Dry	psi	TM-CQ/008 - ISO2758 - BS3137	29
Stiffness MD	Dry, by Gurley	g	TM-CQ/012 - TAPPI T543	3.5
MD Tensile Strength	Dry	lbsf/inch	TM-CQ/024 - UNI 6438/1 - ISO1924/2	24.4
CD Tensile Strength	Dry	lbsf/inch	TM-CQ/024 - UNI 6438/1 - ISO1924/2	14.2
CD Tensile Strength	Wet	lbsf/inch	TM-CQ/024 - UNI 6438/1 - ISO1924/2	5.7
Max pore size	By bubble test	µm	TM-CQ/013 - internal method	56

These measurements are produced by using internal methods based on recognized norms, obtained from typical production runs and performed on flat sheet without paper conditioning.