


Air Filtration - ASHRAE

High performance, dual phase ASHRAE media composed of borosilicate microfibers with acrylic resin binder. Designed to be processed in both mini-pleat and/or deep-pleat applications.

		Target	Range	Test Method
CLASSIFICATION(S):	ASHRAE 52.2	MERV 14 (90-95%)		
BASIS WEIGHT:	(g/m ²)	78	71-85	TAPPI T410
	(lb/3,000ft ²)	48	44-52	
THICKNESS:	(mm)	0.41	N/A	TAPPI T411 - 50kPa / 7.3psi
	(in)	0.016	N/A	
AIRFLOW RESISTANCE:	mm WG	4.5	N/A	ASTM D-2986
	Pa	44	N/A	(5.3cm/sec (10.5 FPM) face velocity)
AIR PERMEABILITY:	(l/m ² /sec)	240	216 min	(05"/12.7mm WG) TAPPI T251
	(ft ³ /min/ft ²)	29.5	26.5 min	
DOP PENETRATION:	(%)	39	44 max	T100 (5.3cm/sec (10.5 FPM) face velocity) ASTM D-2986
TENSILE STRENGTH - MD:	(kN/m)	1.93	1.05 min	TAPPI T494
	(lbs/inch)	11	6.0 min	
TENSILE STRENGTH - CD:	(kN/m)	0.6	0.35 min	TAPPI T494
	(lbs/inch)	3.5	2 min	
GURLEY STIFFNESS - MD:	(gu)	1200	900 min	TAPPI T543
IGNITION LOSS:	(%)	7.75	6.5 - 9.0	TAPPI T413
WATER REPELLENCY:	(inches H ₂ O)	15	7 min	MIL-STD-282 Method 603.1
	(kPa)	3.8	1.8 min	