



Air Filtration - ASHRAE

High performance 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		
BASIS WEIGHT: (as is)	(g/m ²)	68	63 - 73	TAPPI T410
	(lb/3,000ft ²)	42	39 - 45	
THICKNESS: (2 kPa / 0.29 psi)	(mm)	0.4		ASTM D-2986 (5.3cm/sec (10.5 FPM) face velocity)
	(in)	0.016		
AIR FLOW RESISTANCE:	(Pa)	31		ASTM D-2986 (05"/12.7mm WG) TAPPI T251
	mm WG	3.2		
AIR PERMEABILITY:	(l/m ² /sec)	336	296 min	TAPPI T494
	(ft ³ /min/ft ²)	42	37 min	
PENETRATION:	(% 0.3 μm DOP)	40	45 max	ASTM D-2986 T100 (5.3cm/sec (10.5 FPM) face velocity)
TENSILE STRENGTH - MD:	(kN/m)	1.3	0.9 min	TAPPI T494
	(lbs/inch)	7.5	5.0 min	
TENSILE STRENGTH - CD:	(kN/m)	0.5	0.3 min	TAPPI T494
	(lbs/inch)	3.0	2.0 min	
GURLEY STIFFNESS - MD:	(mg)	1000	700 min	TAPPI T543
IGNITION LOSS:	(%)	6	4.5 - 7.5	TAPPI T413
WATER REPELLENCY:	(kPa)	4.5	2 min	MIL-STD-282 Method 603.1
	(Inches of H ₂ O)	18	8 min	