HB7633

Technical Data Sheet **Air Filtration - Respirator**




Elastomeric Respirators and Half & Full Mask Respirator Cartridge Media

H&V's microfiberglass media has been the leading filter media over the past half century for use in pleated cartridges for half and full elastomeric respirators. Thes media are designed to provide sub HEPA, HEPA and ULPA filtration performance in respirator cartridges and provide the lowest breathing resistance in a pleated cartridge configuration.

		Target	Range	Test Method
BASIS WEIGHT:	(g/m^2) as-is	78	73 - 83	TAPPI 410
	($lb/3{,}000ft^2$) as-is	48	45 - 51	
THICKNESS**:**	(mm)	0.4064	0.33 - 0.48	TAPPI 411 w/ TMI-49-70 @ 7.3psi
	(in)	0.016	0.013 - 0.019	
AIR FLOW RESISTANCE:	(Pa)	289	314 max	100 cm2 @ 5.3 cm/sec (10.5 FPM)
	(mm H_2O)	29.5	32 max	
PENETRATION:	(% with 0.3µ DOP)	0.015	0.03 max	TDA100P @ 5.3 cm/sec (10.5 FPM)
TENSILE STRENGTH - MD:	(kN/m) off machine	1.2	1.1 min	TAPPI 494
	(lbs/inch) off machine	7	6.5 min	
TENSILE STRENGTH - CD:	(kN/m) off machine	0.7	0.4 min	TAPPI 494
	(lbs/inch) off machine	4	2.5 min	
ELONGATION - MD:	(%)	1.25		
ELONGATION - CD:	(%)	1.75		
GURLEY STIFFNESS - MD:	(mg) off machine	1,200		TAPPI 543
WATER REPELLENCY:	(kPa)	8.7	3.7	MIL-STD-282 Method 603.1
	(inches of H_2O)	35	15 min	

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