



Izumi America

AXTAR® POLYESTER FILTER MEDIA

FOR
PLEATED CARTRIDGE FILTERS

PROPERTIES

G2170-1s		
Weight: g/m ² (oz./sq. yd.) ± 10 g (0.295 oz./sq.yd.)	170 (5.01)	Available in White and Black
Thickness: mm (in.) ± 0.03 mm (0.0012 in.)	0.48 (.019)	
Density: g/cm ³	.354	
Tensile Strength: kg. / 5 cm. (lbs./in.) MD	69 (77)	Strip Method
CD	40 (45)	
Tearing Strength: kg. (lbs.) MD	9.5 (20.9)	Single Tongue Method
CD	7.7 (16.9)	
Flex Resistance (Cycles)		MIT Shape Method (Maximum Load: 2 kgs.)
Bursting Strength: kg./cm.2 (lbs./sq. in.)	18.3 (260)	Mullen Method
Air Permeability: cc/cm ² /sec. @ 1/2 " W.G. (CFM) ± (6.0)	5.021 (41)	Frazer Method
Collection Efficiency: %		Dust: Atmosphere Velocity: 3.0m/min. (9.85 ft./min.)
0.3 - 0.5 µm	41	
0.5 - 1.0 µm	52	
1.0 - 2.0 µm	71	
2.0 - 5.0 µm	92	
Over 5.0 µm	100	
Pressure Drop: mm Aq (in.)	2.1 (.08)	
Pore Size: µm		Bubble Point Method
Minimum	32.8	
Peak	37.6	
Maximum	64.9	
Maximum Continuous Operating Temperature °C (°F)	120 (250)	
Maximum Short Term Operating Temperature °C (°F)	145 (295)	Maximum time: 30 minutes
Relative Moisture Regain %	.4	At 20° C (68° F) & 65% relative moisture
Shrinkage (Maximum %) MD		
CD		

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