



AirBlock Data Center Curtains Material Specifications and Testing Information

Test	Material		
	FlexSim	FlexSim Anti-Static	PolySim 509
Hardness Durometer (D-2240)	85A	85A	90A/47D
Tensile Strength % D-412)	2950 psi	2950 psi	3800 psi
Ultimate Elongation % (D-412)	290%	290%	450%
Ultimate Tear PSI (D-1004)	570 lbf./in.	570 lbf./in.	
100% Module PSI (D-412)	1400 psi	1400 psi	1200 psi
Brittle Temp (deg. F)	0 deg. F./-17 deg. C.	0 deg. F./-17 deg. C.	0 deg. F./-17 deg. C.
Minimum Operating Temp. (deg. F)	32 deg. F./-17 deg. C.	32 deg. F./-17 deg. C.	32 deg. F./-17 deg. C.
Specific Gravity	1.26	1.26	1.16
UV Stability (in sunlight)	Excellent	Excellent	Good
Flame Test UV 94VO	Pass	Pass	Pass
Flame NFPA 701 Small Scale	Pass	Pass	Pass
ASTM E-84 Class 1			
--Flame	20	20	10
--Smoke	400	450	180

Specific and ASTM Test Methods in ()

FlexSim Anti-Static Properties

Electrical Properties	Test Results	ASTM
Surface Resistivity	1.8 x 10 ¹⁰ (Ohm/cm)	D-257
Volume Resistivity	2.2 X 10 ⁹ (OHM/CM)	D-257
Static Decay Rate	0.19 seconds	(Fed. Std. 101C, M4046)