

Technical Data Sheet

Items/ Unit / Test Method		Achilles Seiden F						
Thickness			0.10mm	0.30mm	0.50mm	0.30mm	0.30mm	
Width			137cm	137cm	137cm	137cm	137cm	
Length			50m	30m	20m	30m	30m	
Material			PVC	PVC	PVC	PVC YELLOW	PVC BLACK	
Hardness			3S/ 45 PHR	3S/ 45 PHR	3S/ 45 PHR	3S/ 45 PHR	3S/ 45 PHR	
Weldable			No	No	No	No	No	
Weight ±			123g/m2	375g/m2	625g/m2	375g/m2	375g/m2	
Physical	100% Modulus [N] JIS K-6732	M.D.	22,8	39,6	58,3	36,2	36,2	[3 pieces of averaged date]
		T.D.	16,4	33,2	53,6	28,4	28,4	
	Tensile strength [N] K-6732	M.D.	35,8	93,0	135,4	90,3	84,7	
		T.D.	29,0	81,3	123,1	76,2	74,6	
	Tear Strength [N] JIS K-6732	M.D.	11,0	29,5	40,8	26,5	27,5	
		T.D.	9,2	25,8	39,3	26	22,8	
	Elongation [%] JIS K-6732	M.D.	239	318	318	298	300	
		T.D.	300	314	314	330	317	
Light Transmission [%] K-7051	JIS		88,0	82,4	82,0	69,4	(--)	
Elektrical	Surface Resistivity [Ω] JIS C-2170	Top	7,2 x 10 ⁶	1,9 x 10 ⁶	2,3 x 10 ⁵	1,3 x 10 ⁶	2,3 x 10 ⁶	[Measurement machine : PROSTAT PRS-801]
		Bottom	8,9 x 10 ¹¹	7,0 x 10 ¹⁰	6,6 x 10 ¹¹	7,2 x 10 ¹⁰	2,7 x 10 ¹⁰	
	Volume Resistivity [Ω] JIS C-2170		2,5 x 10 ¹⁰	1,0 x 10 ¹¹	7,2 x 10 ¹⁰	1,7 x 10 ¹¹	2,5 x 10 ¹¹	
Static Decay Time [sec] [±5kv→ 50v]			(--)	0,18	0,09	0,047	0,05	FTMS 101C-4046 Static Decay Meter 23°C 13%H
F/R	Oxygen Index		26	27	27	28	26	
Complies with Order for Enforcement of the Fire Service Act Article 4-3.								

Product features
<ul style="list-style-type: none"> * Calendered * Reach compliant * Made in Japan * UV stabilised - Little discolouration * High Clarity - Transparency * Fire retardant - JIS K 7201 * Excellent anit-static properties * Available in wide variation of thicknesses 0.1mm - 3.0mm * Available in Opaque Black for 100% shading and anti-static

Caution
<ol style="list-style-type: none"> 1. Achilles Seiden-F must be grounded when in use. 2. Do not use solvents that will damage the special conductive printed grid.

M.D = MACHINE DIRECTION

T.D = TRANSVERSE DIRECTION

JIS = JAPANESE INDUSTRIAL STANDARD

Information stated on this Data Sheet is for reference purposes and is to the best of our knowlegde, true and reliable. Results cannot be guaranteed.