

ACADIAN INDUSTRIAL TEXTILES
CONTAINMENT PRODUCT COMPARISON

	Woven PP			Woven HDPE			Knitted HDPE	Ground Cover		
Style #	10434-TR	10446-TC	10280	10285- SB	10295	10254-XX	10286-XX	Privacy	18327	18332
FIBER CONTENT	PP	PP	PP	PP	PP	HDPE	HDPE	HDPE	PP	PP
FINISH	Calendered	Calendered	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
THICKNESS per mill	20 mil Measured differently	16.8 mil	28.8 mils	26.025	25.5 mil	Not Measured				
SHADE	90%	95%	80%	83%	95%	54%	86%	90%	N/A	N/A
CONSTRUCTION	55 x 48	30 x 20	23 x 15	20 x18	30 x 15	10 x 9	13 x 18	N/A	20 x 10	20 x 10
WEIGHT	7.8 oz/yd ²	6.4 oz/yd ²	4.2 oz/yd ²	4.7 oz/yd ²	5.1 oz/yd ²	1.9	3.0	4.2	2.6	3.2
TENSILE STRENGTH	ASTM D 5034 (Grab Method)			ASTM D 5035 (Strip Method)				Does not apply to knitted fabrics	ASTM D 5035 (Strip Method)	
	Warp: 465 lbf Weft: 400 lbf	Warp: 465 lbf Weft: 400 lbf	Warp: 525 lbf Weft: 290 lbf	Warp: 343 lbf Weft: 183 lbf	Warp: 308 lbf Weft: 286 lbf	Warp: 80 lbf Weft: 90 lbf	Warp: 103 lbf Weft: 199 lbf		Warp: 227.5 lbf Weft: 169.7 lbf	Warp: 235.7 lbf Weft: 228 lbf
TEAR STRENGTH (ASTM D-4553, TRAP Method)	Warp: 157 lbf Weft: 147 lbf	Warp: 79.5 lbf Weft: 152.5 lbf	Warp: 124 lbf Weft: 70lbf	Warp: 99 lbf Weft: 90 lbf	Warp: 173 lbf Weft: 70 lbf	Warp: 47 lbf Weft: 46 lbf	Warp: 52 lbf Weft: 81 lbf	Warp: 52 lbf Weft: 37 lbf	Not Measured	
BURST STRENGTH (ASTM D-3787)	929 psi	784 psi	544 psi	697 psi	558 psi	202 psi	328 psi	272.2 psi	242 psi (ASTM D 3786)	321 psi (ASTM D 3786)
AIR FLOW (ASTM D 737)	5191 m ³ /hr/m ²	2877 m ³ /hr/m ²						7645 m ³ /hr/m ²	43.2 m ³ /hr/m ²	26.2 m ³ /hr/m ²
AIR FLOW (ASTM D 737)	86.52 m ³ /min/m ²	47.95 m ³ /min/m ²	296.6 m ³ /min/m ²	116.7 m ³ /min/m ²	95.4 m ³ /min/m ²					
Air Flow at 12.4 mph (ASTM D 737)			394 m ³ /sec/m ²	194.5 m ³ /sec/m ²	157 m ³ /sec/m ²	630 m ³ /sec/m ²	79 m ³ /sec/m ²			
PERMITTIVITY (ASTM D 4491) (S-1)	2.18 ⁻¹	0.92 ⁻¹	5.7 ⁻¹	2.65 ⁻¹	2.03 ⁻¹				0.2 ⁻¹	0.2 ⁻¹
FLOW RATE (ASTM D 4491)	163.2 gpm/ft ²	69.1 gpm/ft ²	426.1 gpm/ft ²	198.3 gpm/ft ²	152.1 gpm/ft ²				22 gpm/ft ²	22 gpm/ft ²
PERMEABILITY (CM/S)	0.13 m ³ /s	0.04 m ³ /s	0.4 m ³ /s	0.18 m ³ /s	0.13 m ³ /s					
APPARENT OPENING SIZE	0.587 mm	0.235 mm	>0.850 mm	>0.850 mm	0.359 mm				Not Measured	
SIEVE NUMBER	30	50	20	20	40					
AVAILABLE WIDTHS	155"	8' or 12'	6', 10' 12', 15'	10'	10' 12', 15'	118", 157", 197"	118", 157", 197"	67", 90"	6', 12', 15'	6', 12', 15'
AVAILABLE LENGTHS	485 LY or 100 LY	100 LY	100 LY or 500 LY	500 LY	100 LY or 500 LY	100 LY	100 LY	218 LY	100 LY	100 LY