

ACADIAN INDUSTRIAL TEXTILES
FILTRATION PRODUCT COMPARISON

Woven PP

Pool Cover

Knitted HDPE

Style # Fabric Page	10434-TR Truck Cover	10446-TC Truck Cover	10280 Woven Shade	10285- SB Containment	10295 Woven Shade	10490 Pool Cover	10495 Pool Cover	10490-HD Pool Cover	16750 Knitted Shade	16760 Knitted Shade	16770 Knitted Shade	18280 Knitted Shade
FIBER CONTENT	PP	PP	PP	PP	PP	PP	PP	PP	HDPE	HDPE	HDPE	HDPE
FINISH	Calendered	Calendered	N/A	N/A	N/A	Calendered	Calendered	Calendered	N/A	N/A	N/A	N/A
THICKNESS	0.615 mm	0.43 mm	0.7025 mm	0.6625 mm	0.645 mm	12 mm	15.5 mm	18.5 mm	1.15 mm	1.17 mm	1.34 mm	1.4375 mm
SHADE	90%	95%	80%	83%	95%	86%	95%	98%	50%	60%	70%	80%
CONSTRUCTION	55 x 48	30 x 20	23 x 15	20 x 18	30 x 15	39 x 20	30.5 x 19	38 v 14.25	Knit	Knit	Knit	Knit
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	4.4 oz/yd ²	6.7 oz/yd ²	6.5 oz/yd ²	4.4 oz/yd ²	4.6 oz/yd ²	6.6 oz/yd ²	8.2 oz/yd ²
TENSILE STRENGTH	ASTM D 5034 (Grab Method)		ASTM D 5035 (Strip Method)			ASTM D 5034 (Grab Method)			Tensile Strength does not apply to Knitteds			
	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: 465 lbf Weft: 183 lbf	Warp: 345 lbf Weft: 190 lbf	Warp: 340 lbf Weft: 360 lbf	Warp: 500 lbf Weft: 300 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: 70 lbf	Warp: 99 lbf Weft: 90 lbf	Warp: 173 lbf Weft: 70 lbf	Warp: 120 lbf Weft: 70 lbf	Warp: 120 lbf Weft: 70 lbf	Warp: 130 lbf Weft: 120 lbf	Warp: 160 lbf Weft: 90 lbf	Warp: 77.6 lbf Weft: 51.7 lbf	Warp: 52.4 lbf Weft: 71.5 lbf	Warp: 151 lbf Weft: 66 lbf
BURST STRENGTH (ASTM D-3787)	929 psi	784 psi	544 psi	697 psi	558 psi				247.3 psi	294 psi	479.5 psi	366.7 psi
Air Flow-gateway (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				> 365 m ³ /min/m ²	> 365 m ³ /min/m ²	> 365 m ³ /min/m ²	300.5 m ³ /min/m ²
FLOW RATE (ASTM D 737)	163.2 gpm/ft ²	69.1gpm/ft ²	426.2 gpm/ft ²	198.3 gpm/ft ²	152.1 gpm/ft ²	245 gpm/ft ²	40 gpm/ft ²	18 gpm/ft ²	1725.5 gpm/ft ²	1705.5 gpm/ft ²	1874.5 gpm/ft ²	455.3 gpm/ft ²
PERMEABILITY (ASTM D 737)	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				2.65 m ³ /s	2.67 m ³ /s	3.32 m ³ /s	0.88 m ³ /s
APPARENT OPENING SIZE (ASTM D 4751)	0.587 mm	0.235 mm	>0.850 mm	>0.850 mm	0.359 mm				>0.850 mm	>0.850 mm	>0.850 mm	0.837 mm
SIEVE NUMBER	30	50	20	20	40				>0.850 mm	20	>0.850 mm	20
AVAILABLE WIDTHS	155"	8' or 12'	6', 10' 12', 15'	10'	10' 12', 15'	61", 73"	61", 73"	61", 73"	6', 8' 10', 12', 20'	6', 10', 12', 20'	6', 10', 12', 20'	12' or 20'
AVAILABLE LENGTHS	485 LY or 100 LY	100 LY	100 LY or 500 LY	500 LY	100 LY or 500 LY	200 LY	200 LY	200 LY	100 LY	100 LY	100 LY	100 LY