



Synteen Technical Fabrics, Inc.

M.A.R.V. PROPERTIES of SYNTEEN HIGH-STRENGTH PET (SC) FABRICS

October 2010

Note: All high-strength fabrics are woven Polyester. **Made in the U.S.A.**

Property	Symbol	Method	SC4800		SC7200 *		SC9600 *		SC14000 *		SC20K *		SC30K *		SC41K *		SC52K *		
			(kN/m)	(lbs/ft)	(kN/m)	(lbs/ft)	(kN/m)	(lbs/ft)	(kN/m)	(lbs/ft)	(kN/m)	(lbs/ft)	(kN/m)	(lbs/ft)	(kN/m)	(lbs/ft)	(kN/m)	(lbs/ft)	
TENSILE PROPERTIES																			
Ultimate Tensile Strength - MD	Tult	ASTM D-4595	70	4,800	105	7,200	140	9,600	210	14,400	298	20,400	460	31,500	601	41,160	802	54,960	
Ultimate Tensile Strength - XMD	Tult	ASTM D-4595	70	4,800															
Tensile Strength at 5% Strain - MD	T5%	ASTM D-4595	33.6	2,300	44.2	3,030	58.4	4,000	77.8	5,330	109.5	7,500	191.3	13,110	248.1	17,000	320.3	21,950	
Creep Reduced Strength	TI	ASTM D-5262	43.5	2,981	65.3	4,472	87.0	5,963	130.5	8,944	184.9	12,671	285.5	19,565	373.1	25,565	498.2	34,137	
Long-Term Design Strength	LTDS	GRI GT-7	33.8	2,317	50.7	3,475	67.6	4,633	101.4	6,950	143.7	9,845	221.9	15,202	289.9	19,864	387.1	26,524	
UV Resistance (500 hours)		ASTM D-4355	65%		65%		65%		65%		65%		65%		65%		65%		
PHYSICAL PROPERTIES																			
			SI	US	SI	US	SI	US	SI	US	SI	US	SI	US	SI	US	SI	US	
Wt in Oz./Sq Yard				9.3		10.0		11.0		15.4		21.9		35.1		45.0		57.0	
Roll Dimensions																			
Width (m / ft.)			measured	4.57	15	4.57	15	4.57	15	4.57	15	4.57	15	4.57	15	4.57	15	4.57	15
Length (m / ft.)			measured	91.4	300	91.4	300	91.4	300	91.4	300	91.4	300	91.4	300	91.4	300	91.4	300

Reduction factors CR 1.61 Id - silt sand 1.17 FS_{bd} 1.10

* Products require project specific lead time for production. Call for minimum order size and pricing.