



## SC20K HIGH STRENGTH POLYESTER GEOTEXTILE FABRICS

**SC20K** is composed of high molecular weight, high tenacity multifilament polyester yarns that are woven into a stable network placed under tension. Synteen SC Fabrics are inert to biological degradation and are resistant to naturally encountered chemicals, alkalis and acids.

### SC20K APPLICATIONS

Reinforced Slopes	Retaining Walls
Road and Embankments Construction	Geotextile Tubes
Soft Soil Subgrade Stabilization	Landfill, Lagoon and Sludge Pond Closures
Geosynthetic Horizontal Drains	

REINFORCEMENT PROPERTIES		TEST METHOD	MARV VALUES	
			Lbs/ft	kN/M
Ultimate Tensile Strength	MD	ASTM D 4595	21,000	306.5
	CD		6,000	87.5
Tensile Strength at 2%	MD	ASTM D 4595	2,400	35.0
	CD			20.4
Tensile Strength at 5%	MD	ASTM D 4595	8,400	122.6
	CD		3,100	35.2
Tensile Strength at 10%	MD	ASTM D 4595	19,300	281.7
	CD		6,000	87.5
Long Term Design Strength (LTDS)	MD	GRI GT-7	10,500	153.2
Permittivity		ASTM D 4491	0.37sec <sup>-1</sup>	
Ultraviolet Resistance(500 hours)		ASTM D 4355	65%	
PHYSICAL PROPERTIES		UNIT	VALUES	
Roll Dimensions (width x length)		Feet	16.1' x 300'	
Roll Area		Square Yards	536.66	

RF Creep – 1.51  
 RF Durability - 1.10  
 RF Installation Damage - 1.18

**SYNTEEN Technical Fabrics, Inc Warranty:** Synteen Technical Fabrics warrants our products to be free from defects in material and workmanship when delivered to our customers and that our products meet our published specifications. If a product is found to be defective, and our customer gives notice to Synteen Technical Fabrics before installing the product, Synteen Technical Fabrics will replace the product without charge to our customer or refund the purchase price at Synteen Technical Fabrics election. Replacing the product or obtaining a refund are the buyer’s sole remedy for a breach and Synteen Technical Fabrics will not be liable for any consequential damage attributed to a defective product. This warranty is given in lieu of all other warranties, express or implied, including the implied warranty of merchantability or fitness for a particular purpose. There are no warranties which extend beyond the description provided herein.