



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	20,580	300.4
Tensile Strength at 5%	MD	ASTM D 4595	8,544	124.7
Long Term Design Strength (LTDS)	MD	GRI GT-7	10,500	153.2
PHYSICAL PROPERTIES		UNIT	VALUES	
Roll Dimensions (width x length)		Feet	16.33' x 300'	
Roll Area		Square Yards	544.33	

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.

February 13,, 2023



SC30K HIGH STRENGTH POLYESTER GEOTEXTILE FABRICS

SC30K 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.

SC30K APPLICATIONS

Reinforced Slopes

Road and Embankments Construction

Soft Soil Subgrade Stabilization

Geosynthetic Horizontal Drains

Retaining Walls

Geotextile Tubes

Landfill, Lagoon and Sludge Pond Closures

REINFORCEMENT PROPERTIES		TEST METHOD	MARV VALUES	
			Lbs/ft	kN/M
Ultimate Tensile Strength	MD	ASTM D 4595	30,000	437.8
Tensile Strength at 5%	MD	ASTM D 4595	12,000	175.1
Long Term Design Strength (LTDS)	MD	GRI GT-7	15,306	223.4
PHYSICAL PROPERTIES		UNIT	VALUES	
Roll Dimensions (width x length)		Feet	16.33' x 300'	
Roll Area		Square Yards	544.33	

RF Creep – 1.51

RF Durability - 1.10

RF Installation Damage - 1.18

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SC41K HIGH STRENGTH POLYESTER GEOTEXTILE FABRICS

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SC41K 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	41,160	600.7
Tensile Strength at 5%	MD	ASTM D 4595	14,400	210.2
Long Term Design Strength (LTDS)	MD	GRI GT-7	21,000	306.5
PHYSICAL PROPERTIES		UNIT	VALUES	
Roll Dimensions (width x length)		Feet	16.33' x 300'	
Roll Area		Square Yards	544.33	

RF Creep – 1.51

RF Durability - 1.10

RF Installation Damage - 1.18

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SC46K HIGH STRENGTH POLYESTER GEOTEXTILE FABRICS

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SC46K 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	46,150	673.5
Tensile Strength at 5%	MD	ASTM D 4595	19,000	277.3
Long Term Design Strength (LTDS)	MD	GRI GT-7	23,546	343.6
PHYSICAL PROPERTIES		UNIT	VALUES	
Roll Dimensions (width x length)		Feet	16.33' x 300'	
Roll Area		Square Yards	544.33	

RF Creep – 1.51

RF Durability - 1.10

RF Installation Damage - 1.18

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SC52K HIGH STRENGTH POLYESTER GEOTEXTILE FABRICS

SC52K 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.

SC52K 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	55,000	802.7
Tensile Strength at 5%	MD	ASTM D 4595	20,000	291.9
Long Term Design Strength (LTDS)	MD	GRI GT-7	28,062	409.5
PHYSICAL PROPERTIES		UNIT	VALUES	
Roll Dimensions (width x length)		Feet	16.33' x 300'	
Roll Area		Square Yards	544.33	

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

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SC68K HIGH STRENGTH POLYESTER GEOTEXTILE FABRICS

SC68K 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.

SC68K APPLICATIONS

Reinforced Slopes

Road and Embankments Construction

Soft Soil Subgrade Stabilization

Geosynthetic Horizontal Drains

Retaining Walls

Geotextile Tubes

Landfill, Lagoon and Sludge Pond Closures

REINFORCEMENT PROPERTIES		TEST METHOD	MARV VALUES	
			Lbs/ft	kN/M
Ultimate Tensile Strength	MD	ASTM D 4595	68,000	992.4
Tensile Strength at 5%	MD	ASTM D 4595	24,000	350.3
Long Term Design Strength (LTDS)	MD	GRI GT-7	34,694	506.3
PHYSICAL PROPERTIES		UNIT	VALUES	
Roll Dimensions (width x length)		Feet	16.33' x 300'	
Roll Area		Square Yards	544.33	

RF Creep – 1.51

RF Durability - 1.10

RF Installation Damage - 1.18

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SC7200

HIGH STRENGTH POLYESTER GEOTEXTILE FABRICS

SC7200 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.

SC7200 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	7,200	105.0
Tensile Strength at 5%	MD	ASTM D 4595	2,600	37.9
Long Term Design Strength (LTDS)	MD	GRI GT-7	3,674	53.6
PHYSICAL PROPERTIES		UNIT	VALUES	
Roll Dimensions (width x length)		Feet	16.33' x 300'	
Roll Area		Square Yards	544.33	

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

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SC7200/7200

HIGH STRENGTH POLYESTER GEOTEXTILE FABRICS

SC7200/7200 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.

SC7200/7200 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 & CD	ASTM D 4595	7,200	105.0
Tensile Strength at 5%	MD & CD	ASTM D 4595	2,600	37.9
Long Term Design Strength (LTDS)	MD & CD	GRI GT-7	3,673	53.6
PHYSICAL PROPERTIES		UNIT	VALUES	
Roll Dimensions (width x length)		Feet	16.33' x 300'	
Roll Area		Square Yards	544.33	

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

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SC9600

HIGH STRENGTH POLYESTER GEOTEXTILE FABRICS

SC9600 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.

SC9600 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	9,600	140.1
Tensile Strength at 5%	MD	ASTM D 4595	4,000	58.4
Long Term Design Strength (LTDS)	MD	GRI GT-7	4,898	71.5
PHYSICAL PROPERTIES		UNIT	VALUES	
Roll Dimensions (width x length)		Feet	16.33' x 300'	
Roll Area		Square Yards	544.33	

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

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SC9600/9600

HIGH STRENGTH POLYESTER GEOTEXTILE FABRICS

SC9600/9600 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.

SC9600/9600 APPLICATIONS

Reinforced Slopes

Road and Embankments Construction

Soft Soil Subgrade Stabilization

Geosynthetic Horizontal Drains

Retaining Walls

Geotextile Tubes

Landfill, Lagoon and Sludge Pond Closures

REINFORCEMENT PROPERTIES		TEST METHOD	MARV VALUES	
			Lbs/ft	kN/M
Ultimate Tensile Strength	MD & CD	ASTM D 4595	9,600	140.1
Tensile Strength at 5%	MD & CD	ASTM D 4595	4,000	58.4
Long Term Design Strength (LTDS)	MD & CD	GRI GT-7	4,898	71.5
PHYSICAL PROPERTIES		UNIT	VALUES	
Roll Dimensions (width x length)		Feet	16.33' x 300'	
Roll Area		Square Yards	544.33	

RF Creep – 1.51

RF Durability - 1.10

RF Installation Damage - 1.18

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SC14K HIGH STRENGTH POLYESTER GEOTEXTILE FABRICS

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SC14K 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	14,400	210.2
Tensile Strength at 5%	MD	ASTM D 4595	7,200	105.1
Long Term Design Strength (LTDS)		GRI GT-7	7,347	107.2
PHYSICAL PROPERTIES		UNIT	VALUES	
Roll Dimensions (width x length)		Feet	16.33' x 300'	
Roll Area		Square Yards	544.33	

RF Creep – 1.51

RF Durability - 1.10

RF Installation Damage - 1.18

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SC14K/14K HIGH STRENGTH POLYESTER GEOTEXTILE FABRICS

SC14K/14K 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.

SC14K/14K APPLICATIONS

Reinforced Slopes

Road and Embankments Construction

Soft Soil Subgrade Stabilization

Geosynthetic Horizontal Drains

Retaining Walls

Geotextile Tubes

Landfill, Lagoon and Sludge Pond Closures

REINFORCEMENT PROPERTIES		TEST METHOD	MARV VALUES	
			Lbs/ft	kN/M
Ultimate Tensile Strength	MD & CD	ASTM D 4595	14,400	210.2
Tensile Strength at 5%	MD & CD	ASTM D 4595	7,200	105.1
Long Term Design Strength (LTDS)	MD & CD	GRI GT-7	7,347	107.2
PHYSICAL PROPERTIES		UNIT	VALUES	
Roll Dimensions (width x length)		Feet	16.33' x 300'	
Roll Area		Square Yards	544.33	

RF Creep – 1.51

RF Durability - 1.10

RF Installation Damage - 1.18

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