



Synten Technical Fabrics, Inc.

## SYNTEEN SF10 BIAXIAL GEOGRID

### BASE COURSE REINFORCEMENT AND SUBGRADE IMPROVEMENT

**SF10** is composed of high molecular weight, high tenacity multifilament polyester yarns, woven into a stable network placed under tension. The high strength polyester yarns are PVC coated and are inert to biological degradation and are resistant to naturally encountered chemicals, alkalis and acids.

REINFORCEMENT PROPERTIES		TEST METHOD	MARV VALUES	
			lbs/ft	kN/m
Ultimate Strength	MD	ASTM 6637	850	12.4
	XMD		1,300	19.0
Tensile Strength at 2% Strain	MD	ASTM 6637	280	4.1
	XMD		450	6.6
Tensile Strength at 5% Strain	MD	ASTM 6637	580	8.5
	XMD		920	13.4
UV Resistance (at 500 hours)		ASTM D4355	86%	

PHYSICAL PROPERTIES	UNIT	TYPICAL VALUE
Physical Open Area	%	70
Grid Aperture Size (MD)	in (mm)	1.0 (25.4)
Grid Aperture Size (XMD)	in (mm)	1.0 (25.4)
Mass/Unit Area (ASTM D5261)	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	8.2 (2.78)
Roll Dimensions 12' x 150' 15' x 150' 17' x 150'	Measured	200 square yards per roll 250 square yards per roll 283 square yards per roll

**Synten can produce custom widths, apertures and master roll lengths.**

*Synten Technical Fabrics, Inc.*  
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