

M. A. R. V. Properties  
of  
Synteen Geogrids

Property	Symbol	Method	<b>SF90</b>	
Note: All geogrids woven PET with PVC Coatings				
<b>Tensile Properties</b>			LBS/FT	
MD - Ultimate Strength	Tult	ASTM D-4595	8500	
MD - Ultimate Strain at Failure	%	ASTM D-4595	15%	
MD - Creep Reduced Strength	TI	ASTM D-5262	4857	
<b>DESIGN STRENGTH PROPERTIES</b>				
CREEP Reduction Factor(ed=10'	RFCR	GRI-GG4b '91	1.75	
AGING/DURABILITY Reduction Factor 5<soil PH<8	RFD	GRI-GG4b '91	1.1	
INSTALLATION DAMAGE Reduction Factor				
1:100mm Max, 30mm D50, PI<6	RFID	GRI-GG4b '91	1.5	
2:20mm Max, 0.7mm D50, PI<6	RFID	GRI-GG4b '91	1.05	
3:20mm Max, .1-.5mmD50, PI<20	RFID	GRI-GG4b '91	1.05	
Tult / RF for Soil Type 1: =	LTDS	GRI-GG4b '91	2943	
Tult / RF for Soil Type 2: =	LTDS	GRI-GG4b '91	4205	
Tult / RF for Soil Type 3: =	LTDS	GRI-GG4b '91	4205	
<b>DESIGN INTERACTION PROPERTIES</b>			Note: Ci & Cds te	
Coefficient of Interaction:	Ci	GRI - GG5 '91	Ci	
Coefficient of Direct Sliding:	Cds	ASTM D-5321	Cds	
Soil Type 1:		see above	0.75	0.65
Soil Type 2:		see above	0.85	0.9
Soil Type 3:		see above	0.75	0.85
<b>PHYSICAL PROPERTIES</b>			US	
MD - Aperture Size:	(ins.)	measured	0.75	
CMD - Aperture Size:	(ins.)	measured	0.75	

Synteen can custom produce roll size and vary aperture size for site specific applications