

### SSES SSLINK Series

**SSLINK** is uniaxial Geogrid. This high performance Geogrids are constructed of high molecular weight and high tenacity knitted Polyester (PET) multifilament yarns and duly coated to give better long term design strength in soil reinforcement applications. Our Geogrid is inert to biological and chemical degradation.

**SSLINK** conforms to the following property values:

Properties	Unit	Standard	SSLINK 40	SSLINK 60	SSLINK 80	SSLINK 100	SSLINK 120	SSLINK 150	SSLINK 180
<b>Mechanical Properties</b>									
Nominal Tensile strength	MD (kN/m)	ASTM D 6637 EN ISO 10319 (min.)	40	60	80	100	120	150	180
	CD (kN/m)		20	20	30	30	30	30	30
Elongation @ nominal strength (+ 2%)	MD (%)		10%	10%	10%	10%	10%	10%	10%
Creep Reduction Factor		At 30°C, 120 Years design life	1.47	1.47	1.47	1.47	1.47	1.47	1.47
Creep Limited Strength	MD (kN/m)		27.2	40.8	54.4	68.0	81.6	102.0	122.4
Partial Factor - Installation Damage In Clay, Silt or Sand		ASTM D 5818	1.10	1.10	1.02	1.02	1.02	1.02	1.02
Partial Factor – Environmental Effect Environments, 5 < pH < 8		-	1.10	1.10	1.10	1.10	1.10	1.10	1.10
<b>Molecular Properties</b>									
Molecular Weight	g/mol	GRI GG8 ASTM D 4603	Min.25,000						
Carboxyl Eng Group (CEG)	mmol/kg	GRI GG7 ASTM D 7409	Max.30						

Properti es	Unit	Standard	SSLINK 200	SSLINK 250	SSLINK 300	SSLINK 350	SSLINK 400	SSLINK 500	SSLINK 600
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<i>Mechanical Properties</i>									
Nominal Tensile strength	MD (kN/m)	ASTM D 6637 EN ISO 10319 (min.)	200	250	300	350	400	500	600
	CD (kN/m)		30	30	30	30	30	30	30
Elongation @ nominal strength ( $\pm 2\%$ )	MD (%)		11	11	11	11	11	11	11
Creep Reduction Factor		At 30°C, 120 Years design life	1.47	1.47	1.47	1.47	1.47	1.47	1.47
Creep Limited Strength	MD (kN/m)		136.1	170.1	204.1	238.1	272.1	340.13	408.16
Partial Factor - Installation Damage In Clay, Silt or Sand		ASTM D 5818	1.06	1.06	1.06	1.06	1.06	1.06	1.06
Partial Factor – Environmental Effect Environments, 5 < pH < 8		-	1.10	1.10	1.10	1.10	1.10	1.10	1.10
<i>Molecular Properties</i>									
Molecular Weight	g/mol	GRI GG8 ASTM D4603	Min.25,000						
Carboxyl Eng Group (CEG)	mmol/kg	GRI GG7 ASTM D 7409	Max.30						

This information is provided for reference purpose only and is not intended as Warranty or Guarantee.

The company has a procedure of constantly improving the products based on research and feedback. Therefore, we reserve the right to change the specifications contained herein without prior notice.

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