

TECHNICAL DATA SHEET

ParaLink™ L 100

ParaLink™ L 100 manufactured from high tenacity, multifilament polyester yarns placed in tension, then co-extruded with polyethylene to form polymeric strips. The polymeric strips are laid flat in the machine direction and a secondary member is laid and welded across the full width in the cross direction. The process generates a stable and strong geogrid. While polyester is the load bearing element maintaining minimal deformation, whilst the polyethylene sheathing maintains both the integrity of the product and encases the yarns protecting them from aggressive environments (such as high/low pH) and harsh installation conditions. **ParaLink™ L 100** is ideal for applications where reinforcement of soils is essential such as MSE walls, embankments over soft soil, steepended slopes, lagoon closures, load transfer platforms, basal foundations and any other geotechnical application in which soils require enhancement. **ParaLink™ L 100** has been tested internally and independently in accordance to published standards and will conform to the property values listed below. All values are Minimum Average Roll Values (MARV⁽¹⁾) unless noted.

PROPERTY	TEST METHOD	MINIMUM AVERAGE ROLL VALUES	
		Metric	English
Mechanical			
Tensile Strength (ultimate)	ASTM D6637	100.0 kN/m	6850.0 lb/ft
Elongation @ Ultimate strength	ASTM D6638	12%	12%
Creep Reduced Strength		66.7 kN/m	4566.7 lb/ft
Long Term Design Strength (LTDS) ⁽²⁾		61.1 kN/m	4181.9 lb/ft
Polymeric			
Carboxyl End Group (CEG Max.)	GRI-GG7	< 30 mmol/kg	< 30 mmol/kg
Molecular Weight (# average)	GRI-GG8	>25000 M _w	>25000 M _w
Physical			
Grid aperture size (MD)		450 mm	17.7 inches
Grid aperture size (XMD)		225 mm	8.9 inches
Mass/Unit Area	ASTM D5261	330 g/m ²	9.7 oz/yd ²
Roll presentation⁽³⁾:			
Roll Dimension	Width	4.50 m	14.8 ft
	Length	50 m	164 ft
Roll Area		225 m ²	270 yd ²
Estimated Roll Weight		74 kg	163 lb

Notes:

1. Minimum average roll values (MARV) are calculated as typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.
2. LTDS calculated in Sandy Gravel.
3. Width and length values per roll are MINIMUM. Roll area is estimated and rounded up to the closest square yard.

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