



Technical Data Sheet

ParaWeb™ 30 2D

ParaWeb™ 30 manufactured from high tenacity, multifilament polyester yarns placed in tension, then co-extruded with polyethyleneto form a polymeric strips. While Polyester is the load bearing element maintaining minimal deformation, whilst the polyethylenesheathing maintains both the integrity of the product and encases the yarns protecting them from aggressive environments (such high/low pH) and harsh installation conditions. **Paraweb™ 30** is ideal for applications where reinforcement of soils is essential such as precast panel walls, MSE walls, load transfer platforms, basal foundations and any other geotechnical application in which soils require enhancement. **ParaWeb™ 30** 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	UNIT		METRIC	ENGLISH
Mechanical					
Tensile Strength (ultimate)	ASTM D6637	kN	lb	30.16	6780.2
Elongation @ Ultimate strength	ASTM D6638	%	%	12	12
Creep Reduced Strength		kN	lb	21.86	4913.2
Long Term Design Strength (LTDS) ⁽²⁾		kN	lb	20.01	4499.3
Polymeric					
Carboxyl End Group (CEG Max.)	GRI-GG7	mmol/kg		< 30	
Molecular Weight (# average)	GRI-GG8	M _w		> 25000	
Spool presentation⁽⁴⁾⁽⁵⁾:					
Dimension	Width	mm		83±2	
	Length	m	ft	100	328

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. The property values listed above are effective: January 1st 2007
4. Values per spool are **MINIMUM**.
5. Linear Composites can engineer specific solutions in any of our products, please contact us if you may need an specific solution for your project

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Technical Data Sheet

ParaWeb™ 50 2D

ParaWeb™ 50 manufactured from high tenacity, multifilament polyester yarns placed in tension, then co-extruded with polyethyleneto form a polymeric strips. While Polyester is the load bearing element maintaining minimal deformation, whilst the polyethylenesheathing maintains both the integrity of the product and encases the yarns protecting them from aggressive environments (such high/low pH) and harsh installation conditions. **Paraweb™ 50** is ideal for applications where reinforcement of soils is essential such as precast panel walls, MSE walls, load transfer platforms, basal foundations and any other geotechnical application in which soils require enhancement. **ParaWeb™ 50** 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	UNIT		METRIC	ENGLISH
Mechanical					
Tensile Strength (ultimate)	ASTM D6637	kN	lb	50.27	11301.1
Elongation @ Ultimate strength	ASTM D6638	%	%	12	12
Creep Reduced Strength		kN	lb	36.43	8189.2
Long Term Design Strength (LTDS) ⁽²⁾		kN	lb	34.01	7646.3
Polymeric					
Carboxyl End Group (CEG Max.)	GRI-GG7	mmol/kg		< 30	
Molecular Weight (# average)	GRI-GG8	M _w		> 25000	
Roll presentation⁽⁴⁾⁽⁵⁾:					
Roll Dimension	Width	mm		87±2	
	Length	m	ft	100	328

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
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Technical Data Sheet

ParaWeb™ 75 2D

ParaWeb™ 75 manufactured from high tenacity, multifilament polyester yarns placed in tension, then co-extruded with polyethyleneto form a polymeric strips. While Polyester is the load bearing element maintaining minimal deformation, whilst the polyethylenesheathing maintains both the integrity of the product and encases the yarns protecting them from aggressive environments (such high/low pH) and harsh installation conditions. **Paraweb™ 75** is ideal for applications where reinforcement of soils is essential such as precast panel walls, MSE walls, load transfer platforms, basal foundations and any other geotechnical application in which soils require enhancement. **ParaWeb™ 75** 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	UNIT		METRIC	ENGLISH
Mechanical					
Tensile Strength (ultimate)	ASTM D6637	kN	lb	75.40	16950.5
Elongation @ Ultimate strength	ASTM D6638	%	%	12	12
Creep Reduced Strength		kN	lb	54.64	12283.0
Long Term Design Strength (LTDS) ⁽²⁾		kN	lb	51.02	11468.7
Polymeric					
Carboxyl End Group (CEG Max.)	GRI-GG7	mmol/kg		< 30	
Molecular Weight (# average)	GRI-GG8	M _w		> 25000	
Spool presentation⁽⁴⁾⁽⁵⁾:					
Dimension	Width	mm		90±2	
	Length	m	ft	100	328

Notes:

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2. LTDS calculated in Sandy Gravel
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Technical Data Sheet

ParaWeb™ 100 2D

ParaWeb™ 100 manufactured from high tenacity, multifilament polyester yarns placed in tension, then co-extruded with polyethyleneto form a polymeric strips. While Polyester is the load bearing element maintaining minimal deformation, whilst the polyethylenesheathing maintains both the integrity of the product and encases the yarns protecting them from aggressive environments (such high/low pH) and harsh installation conditions. **Paraweb™ 100** is ideal for applications where reinforcement of soils is essential such as precast panel walls, MSE walls, load transfer platforms, basal foundations and any other geotechnical application in which soils require enhancement. **ParaWeb™ 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	UNIT		METRIC	ENGLISH
Mechanical					
Tensile Strength (ultimate)	ASTM D6637	kN	lb	100.54	22602.2
Elongation @ Ultimate strength	ASTM D6638	%	%	12	12
Creep Reduced Strength		kN	lb	72.86	16378.4
Long Term Design Strength (LTDS) ⁽²⁾		kN	lb	68.03	15292.6
Polymeric					
Carboxyl End Group (CEG Max.)	GRI-GG7	mmol/kg		< 30	
Molecular Weight (# average)	GRI-GG8	M _w		> 25000	
Roll presentation⁽⁴⁾⁽⁵⁾:					
Roll Dimension	Width	mm		90±2	
	Length	m	ft	100	328

Notes:

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