# Technical Data Sheet

# ParaWeb™ 30 2S

**ParaWeb™ 30** manufactured from high tenacity, multifilament polyester yarns placed in tension, then co-extruded with polyethylene to form a polymeric strips. 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 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 | 33.75 | 7587.3 |
| Elongation @ Ultimate strength | ASTM D6638 | % | % | 12 | 12 |
| Creep Reduced Strength | | kN | lb | 24.46 | 1675.3 |
| Long Term Design Strength (LTDS)[2] | | kN | lb | 23.00 | 1575.8 |
| **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 2S

**ParaWeb™ 50** manufactured from high tenacity, multifilament polyester yarns placed in tension, then co-extruded with polyethylene to form a polymeric strips. 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 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 | 56.25 | 12645.5 |
| Elongation @ Ultimate strength | ASTM D6638 | % | % | 12 | 12 |
| Creep Reduced Strength | | kN | lb | 40.76 | 2792.1 |
| Long Term Design Strength (LTDS)[2] | | kN | lb | 37.87 | 2594.3 |
| **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.
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# Technical Data Sheet

# ParaWeb™ 75 2S

**ParaWeb™ 75** manufactured from high tenacity, multifilament polyester yarns placed in tension, then co-extruded with polyethylene to form a polymeric strips. 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 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 | 84.35 | 18962.6 |
| Elongation @ Ultimate strength | ASTM D6638 | % | % | 12 | 12 |
| Creep Reduced Strength | | kN | lb | 61.12 | 4186.9 |
| Long Term Design Strength (LTDS)[2] | | kN | lb | 54.15 | 3709.4 |
| **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:

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.
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# Technical Data Sheet

# ParaWeb™ 100 2S

**ParaWeb™ 100** manufactured from high tenacity, multifilament polyester yarns placed in tension, then co-extruded with polyethylene to form a polymeric strips. 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 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 | 112.50 | 25290.9 |
| Elongation @ Ultimate strength | ASTM D6638 | % | % | 12 | 12 |
| Creep Reduced Strength | | kN | lb | 81.52 | 5584.2 |
| Long Term Design Strength (LTDS)[2] | | kN | lb | 77.25 | 5291.9 |
| **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:

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.
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# Technical Data Sheet

# ParaWeb™ 30 2D

**ParaWeb™ 30** manufactured from high tenacity, multifilament polyester yarns placed in tension, then co-extruded with polyethylene to form a polymeric strips. 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 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 | 1497.1 |
| Long Term Design Strength (LTDS)[2] | | kN | lb | 20.01 | 1370.9 |
| **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.
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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 polyethylene to form a polymeric strips. 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 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 | 2495.3 |
| Long Term Design Strength (LTDS)[2] | | kN | lb | 34.01 | 2329.9 |
| **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:

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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 polyethylene to form a polymeric strips. 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 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 | 3742.7 |
| Long Term Design Strength (LTDS)[2] | | kN | lb | 51.02 | 3494.6 |
| **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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# Technical Data Sheet

# ParaWeb™ 100 2D

**ParaWeb™ 100** manufactured from high tenacity, multifilament polyester yarns placed in tension, then co-extruded with polyethylene to form a polymeric strips. 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 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 | 4990.6 |
| Long Term Design Strength (LTDS)[2] | | kN | lb | 68.03 | 4659.7 |
| **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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# Technical Data Sheet

# ParaWeb™ 30 2E+

**ParaWeb™ 30 2E** manufactured from high tenacity, multifilament polyester yarns placed in tension, then co-extruded with polyethylene to form a polymeric strips. 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 high/low pH) and harsh installation conditions. **Paraweb™ 30 2E** 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** 2E 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 | 1497.1 |
| Long Term Design Strength (LTDS)[2] | | kN | lb | 20.01 | 1370.9 |
| **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.
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# Technical Data Sheet

# ParaWeb™ 50 2E+

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| 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 | 2495.3 |
| Long Term Design Strength (LTDS)[2] | | kN | lb | 33.68 | 2307.2 |
| **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 | | 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.
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# Technical Data Sheet

# ParaWeb™ 75 2E

**ParaWeb™ 75** manufactured from high tenacity, multifilament polyester yarns placed in tension, then co-extruded with polyethylene to form a polymeric strips. 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 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 | 77.25 | 17366.4 |
| Elongation @ Ultimate strength | ASTM D6638 | % | % | 12 | 12 |
| Creep Reduced Strength | | kN | lb | 55.98 | 3834.5 |
| Long Term Design Strength (LTDS)[2] | | kN | lb | 67.36 | 4614.5 |
| **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:

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™ 100 2E

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| 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 | 4990.6 |
| Long Term Design Strength (LTDS)[2] | | kN | lb | 67.36 | 4614.5 |
| **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:

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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