

**BESLER**  
GLASS FIBER

[www.beslerglassfiber.com.tr](http://www.beslerglassfiber.com.tr)





# ABOUT US

Besler Tekstil San. ve Tic. A.S. is a well-established company that has been supporting employment and exports since 1997 with its two integrated cotton yarn production facilities in the 1st Organized Industrial Zone in Kayseri.

Besler Textile established a mineral wool production facility in 2007 with 20,000 tons/year capacity and within 8 years increased its capacity up to 120,000 tons/year and it became a success story. In that plant Besler produced 3 different mineral wool, rock wool, glass wool and ceramic wool. It has made Besler the first factory in the World that producing 3 different mineral wool at the same time.

This experience in mineral wool sector encouraged Besler Textile to invest in a new area. Besler established a glass fiber manufacturing facility that is structured over 85,000sqm as two furnace production line in total 120,000tons/year capacity. The first furnace which is 60,000tons/year capacity and it is the first Convective Glass Melter (CGM) furnace of Turkey, already in production and started to support composite industry by supplying glassfiber.

Besler glassfiber produce assembled roving, direct roving and chopped strand glass fiber which commonly used in thermoset and thermoplastic reinforcements for composite industry with high chemical and mechanical resistance, environmentally friendly boron oxide-free ECR glass composition.

Besler Glassfiber with its state-of-the-art glass fiber production facility is on its way to become one of the leading glass fiber producer with its quality and production capacity to meet the increasing demand for glass fiber both in domestic and international markets.

Besler Glassfiber aims to take steps to be one of the global player in glass fiber production by diversifying the product portfolio, supporting all stakeholder and contributing sustainability of the world by environmental friendly production.



# sustainable future



## OUR INTEGRATED SYSTEM POLICY

In all our processes, we undertake to comply with all legal requirements, conditions of Quality, Environment, Health & Safety and Energy by continuously providing and improving the necessary resources.

Our approach is based on Total Quality management philosophy, reaching quality targets in a team spirit, providing reliable services by constantly improving the quality of our products in all processes.

We show our respect and sensitivity to the environment and society by not only focusing for the disposal management of waste but also reducing waste, natural resources and energy consumption.

We are committed to increase energy efficiency by searching alternative energy sources and acquiring renewable energy.

We monitor and improve our performance by reviewing our business processes with the perspective of evaluating risks and opportunities. We provide safe and healthy working environment to all our employees by taking precautions against risks such as work accidents and occupational diseases. We also develop the talents of our employees by trainings.

We are taking all our steps by giving priority to the sustainability of the world, environment, society, health & safety.

# QUALITY

Lean production within the framework of total quality management philosophy





# PRODUCTS

## Chopped Strands for:

- Polyamide (PA)
- Polypropylene (PP)

## Direct Roving for:

- Filament winding
- Weaving
- Pultrusion
- Long Fiber Thermoplastic

## Assembled Roving for:

- Spray up
- Head Liner
- Chopping applications
- Translucent sheets
- Centrifugal Casting
- Panel applications
- Sheet Moulding Compound



# TPA

Chopped Strands for  
PA Reinforcement



## PRODUCT FEATURES

- Boron-free ECR-glass
- Environment friendly
- Excellent mechanical properties
- Low discoloration performance
- Optimal strand integrity
- Improved flow
- Low fuzz
- Improved bulk density for less storage and handling costs

## PRODUCT SPECIFICATION

### TPA

|                         |              |
|-------------------------|--------------|
| • Glass Type            | ECR (B-Free) |
| • Filament Diameter (μ) | Nom. 13      |
| • Moisture Content (%)  | Max. 0.07    |
| • Sizing Type           | Silane       |
| • Loss of Ignition (%)  | 0,6 ±0,15    |
| • Compatability         | PA6, PA66    |
| • Fibre Length (mm)     | Nom. 4.5     |

## PACKAGING

| Type    | Pallet Dimensions (cm) | Pallet Height (cm) | Quantity Per Pallet | Net Weight Per Pallet (kg) |
|---------|------------------------|--------------------|---------------------|----------------------------|
| Big bag | 114 x 114              | 150                | 1                   | 1000 - 1100                |

## STORAGE

Products should be stored in original package in dry and dust free area. Storage temperature is between 10°C - 30°C at humidity between 50% - 75%. Pallets must be single stacked.

## WARRANTY

All physical & chemical properties represent average values and subject to normal production variations. The specifications are also subject to change. For current information please contact Beşler Office.

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# TPP

Chopped Strands for  
PP Reinforcement

TPP | CS for PP Reinforcement



## PRODUCT FEATURES

- Boron-free ECR-glass
- Environment friendly
- Excellent mechanical properties
- Low discoloration performance
- Optimal strand integrity
- Improved flow
- Low fuzz
- Improved bulk density for less storage and handling costs

## PRODUCT SPECIFICATION

|                         |                      |
|-------------------------|----------------------|
| • Glass Type            | ECR (B-Free)         |
| • Filament Diameter (μ) | Nom. 13              |
| • Moisture Content (%)  | Max. 0.07            |
| • Sizing Type           | Silane               |
| • Loss of Ignition (%)  | 0,65 ±0,15           |
| • Compatability         | Polypropylene - PPRC |
| • Fibre Length (mm)     | Nom. 4.5 - 6         |

## PACKAGING

| Type    | Pallet Dimensions (cm) | Pallet Height (cm) | Quantity Per Pallet | Net Weight Per Pallet (kg) |
|---------|------------------------|--------------------|---------------------|----------------------------|
| Big bag | 114 x 114              | 150                | 1                   | 1000 - 1100                |

## STORAGE

Products should be stored in original package in dry and dust free area. Storage temperature is between 10°C - 30°C at humidity between 50% - 75%. Pallets must be single stacked.

## GUARANTEE

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**FW**Direct Roving for  
Filament Winding**PRODUCT FEATURES**

- Boron-free ECR-glass
- Environment friendly
- Good unwinding
- Low fuzz
- Good & fast wettability
- Good surface finish
- High resin impregnation

**PRODUCT SPECIFICATION FW**

|                                    |                                               |      |      |      |       |
|------------------------------------|-----------------------------------------------|------|------|------|-------|
| • Glass Type                       | ECR (B-Free)                                  |      |      |      |       |
| • Filament Diameter (μ)            | 15                                            | 17   | 17   | 24   |       |
| • Roving Tex (g/10 <sup>3</sup> m) | 600                                           | 1200 | 2400 | 4800 | ± % 7 |
| • Moisture Content (%)             | Max. 0,1                                      |      |      |      |       |
| • Sizing Type                      | Silane                                        |      |      |      |       |
| • Loss of Ignition (%)             | 0,55±0,15                                     |      |      |      |       |
| • Compatability                    | Epoxy, polyester, vinylester resins, Phenolic |      |      |      |       |

**PACKAGING**

| Type           | Pallet Dimensions (cm) | Bobbins per Pallet | Layers per Pallet | Pallet Height (cm) | Product Net Weight per Pallet |
|----------------|------------------------|--------------------|-------------------|--------------------|-------------------------------|
| Bulk Packaging | 93 x 123               | 48                 | 4                 | 120                | 840                           |

**BOBIN DIMENSIONS**

| Weight (kg) | Inner Diameter(mm) | Outer Diameter(mm) | Height(mm) |
|-------------|--------------------|--------------------|------------|
| Nom. 17,5   | 160                | 295                | 255        |

**STORAGE**

Products should be stored in original package in dry and dust free area.  
Storage temperature is between 10°C - 30°C at humidity between 50% - 75%.

**WARRANTY**

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**WE**Direct Roving For  
Weaving Applications

WE | Direct Roving for Weaving Applications

**PRODUCT FEATURES**

- Boron-free ECR-glass
- Environment friendly
- Good unwinding
- Low fuzz
- Good & fast wettability
- Excellent tex distribution
- Excellent processing behavior in weaving

**PRODUCT SPECIFICATION WE**

|                                    |                                               |     |      |      |       |
|------------------------------------|-----------------------------------------------|-----|------|------|-------|
| • Glass Type                       | ECR (B-Free)                                  |     |      |      |       |
| • Filament Diameter (μ)            | 14                                            | 15  | 17   | 17   |       |
| • Roving Tex (g/10 <sup>3</sup> m) | 300                                           | 600 | 1200 | 2400 | ± % 5 |
| • Moisture Content (%)             | Max. 0,1                                      |     |      |      |       |
| • Sizing Type                      | Silane                                        |     |      |      |       |
| • Loss of Ignition (%)             | 0,55±0,15                                     |     |      |      |       |
| • Compatability                    | Epoxy, polyester, vinylester resins, Phenolic |     |      |      |       |

**PACKAGING**

| Type           | Pallet Dimensions (cm) | Bobbins per Pallet | Layers per Pallet | Pallet Height (cm) | Product Net Weight per Pallet |
|----------------|------------------------|--------------------|-------------------|--------------------|-------------------------------|
| Bulk Packaging | 93 x 123               | 48                 | 4                 | 120                | 840                           |

**BOBIN DIMENSIONS**

| Weight (kg) | Inner diameter (mm) | Outer diameter (mm) | Height (mm) |
|-------------|---------------------|---------------------|-------------|
| Nom. 17,5   | 160                 | 295                 | 255         |

**STORAGE**

Products should be stored in original package in dry and dust free area.  
Storage temperature is between 10°C - 30°C at humidity between 50% - 75%.

**WARRANTY**

All physical & chemical properties represent average values and subject to normal production variations.  
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**PT**Direct Roving for  
Pultrusion**PRODUCT FEATURES**

- Boron-free ECR-glass
- Environment friendly
- Good unwinding
- Low fuzz
- Good & fast wettability
- Good surface finish
- High strand integrity

**PRODUCT SPECIFICATION****PT**

|                                    |                                     |      |       |
|------------------------------------|-------------------------------------|------|-------|
| • Glass Type                       | ECR (B-Free)                        |      |       |
| • Filament Diameter (μ)            | 17                                  | 24   |       |
| • Roving Tex (g/10 <sup>3</sup> m) | 2400                                | 4800 | ± % 7 |
| • Moisture Content (%)             | Max. 0,1                            |      |       |
| • Sizing Type                      | Silane                              |      |       |
| • Loss of Ignition (%)             | 0,55±0,15                           |      |       |
| • Compatability                    | Epoxy, polyester, vinylester resins |      |       |

**PACKAGING**

| Type           | Pallet Dimensions (cm) | Bobbins per Pallet | Layers per Pallet | Pallet Height (cm) | Product Net Weight per Pallet |
|----------------|------------------------|--------------------|-------------------|--------------------|-------------------------------|
| Bulk Packaging | 93 x 123               | 48                 | 4                 | 120                | 840                           |

**BOBIN DIMENSIONS**

| Weight (kg) | Inner Diameter(mm) | Outer Diameter(mm) | Height(mm) |
|-------------|--------------------|--------------------|------------|
| Nom. 17,5   | 160                | 295                | 255        |

**STORAGE**

Products should be stored in original package in dry and dust free area.  
Storage temperature is between 10°C - 30°C at humidity between 50% - 75%.

**WARRANTY**

All physical & chemical properties represent average values and subject to normal production variations.  
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**LFT**Direct Roving for  
Long Fiber Thermoplastic  
Applications**PRODUCT FEATURES**

- Boron-free ECR-glass
- Environment friendly
- Good unwinding
- Low fuzz
- Good & fast wettability
- Excellent tex distribution
- High mechanical performance

**PRODUCT SPECIFICATION**

|                                    |                                |
|------------------------------------|--------------------------------|
| • Glass Type                       | ECR (B-Free)                   |
| • Filament Diameter (μ)            | Nom. 17                        |
| • Roving Tex (g/10 <sup>3</sup> m) | 1200-2400 ± % 5                |
| • Moisture Content (%)             | Max. 0,1                       |
| • Sizing Type                      | Silane                         |
| • Loss of Ignition (%)             | 0,7±0,15                       |
| • Compatability                    | Polypropylene,<br>Polyethylene |

**PACKAGING**

| Type           | Pallet Dimensions (cm) | Bobbins per Pallet | Layers per Pallet | Pallet Height (cm) | Product Net Weight per Pallet |
|----------------|------------------------|--------------------|-------------------|--------------------|-------------------------------|
| Bulk Packaging | 96 x 128               | 48                 | 4                 | 125                | 864                           |

**BOBIN DIMENSIONS**

| Weight (kg) | Inner diameter (mm) | Outer diameter (mm) | Height (mm) |
|-------------|---------------------|---------------------|-------------|
| Nom. 18     | 160                 | 295                 | 255         |

**STORAGE**

Products should be stored in original package in dry and dust free area.  
Storage temperature is between 10°C - 30°C at humidity between 50% - 75%.

**WARRANTY**

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**SP**Assembled Roving for  
Spray Up Applications**PRODUCT FEATURES**

- Boron-free ECR-Glass
- Environment friendly
- Good unwinding
- Fast wet out
- Uniform lay-down
- Good choppability
- Low fuzz & electricity
- Easy application on vertical surfaces

**PRODUCT SPECIFICATION**

|                                    |                       |
|------------------------------------|-----------------------|
| • Glass Type                       | ECR (B-Free)          |
| • Filament Diameter (μ)            | Nom. 13               |
| • Roving Tex (g/10 <sup>3</sup> m) | 2400 ± % 5            |
| • Split Tex (g/10 <sup>3</sup> m)  | Nom. 57               |
| • Moisture Content (%)             | Max. 0,1              |
| • Sizing Type                      | Silane                |
| • Loss of Ignition (%)             | 1,15±0,15             |
| • Compatability                    | Unsaturated Polyester |

**PACKAGING**

| Type           | Pallet Dimensions (cm) | Bobbins per Pallet | Layers per Pallet | Pallet Height (cm) | Product Net Weight per Pallet |
|----------------|------------------------|--------------------|-------------------|--------------------|-------------------------------|
| Bulk packaging | 93 x 123               | 48                 | 4                 | 120                | 1032                          |

**BOBIN DIMENSIONS**

| Weight (kg) | Inner Diameter(mm) | Outer Diameter(mm) | Height(mm) |
|-------------|--------------------|--------------------|------------|
| Nom. 21,5   | 75                 | 295                | 255        |

**STORAGE**

Products should be stored in original package in dry and dust free area.  
Storage temperature is between 10°C - 30°C at humidity between 50% - 75%.

**WARRANTY**

All physical & chemical properties represent average values and subject to normal production variations.  
The specifications are also subject to change. For current information please contact Beşler Office.

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**HL**Assembled Roving for  
Head Liner Applications

HL | Assembled Roving for Head Liner Applications

**PRODUCT FEATURES**

- Boron-free ECR-Glass
- Environment friendly
- Good unwinding
- Good wet out in PU
- Good choppability
- Low fuzz & static

**PRODUCT SPECIFICATION**

|                                    |              |
|------------------------------------|--------------|
| • Glass Type                       | ECR (B-Free) |
| • Filament Diameter (μ)            | Nom. 13      |
| • Roving Tex (g/10 <sup>3</sup> m) | 2400 ± % 5   |
| • Split Tex (g/10 <sup>3</sup> m)  | Nom. 50      |
| • Moisture Content (%)             | Max. 0.1     |
| • Sizing Type                      | Silane       |
| • Loss of Ignition (%)             | 1,2 ± 0,2    |
| • Compatability                    | Polyurethane |

**PACKAGING**

| Type           | Pallet Dimensions (cm) | Bobbins per Pallet | Layers per Pallet | Pallet Height (cm) | Product Net Weight per Pallet |
|----------------|------------------------|--------------------|-------------------|--------------------|-------------------------------|
| Bulk packaging | 93 x 123               | 48                 | 4                 | 120                | 1032                          |

**BOBIN DIMENSIONS**

| Weight (kg) | Inner Diameter(mm) | Outer Diameter(mm) | Height(mm) |
|-------------|--------------------|--------------------|------------|
| Nom. 21,5   | 75                 | 295                | 255        |

**STORAGE**

Products should be stored in original package in dry and dust free area.  
Storage temperature is between 10°C - 30°C at humidity between 50% - 75%.

**WARRANTY**

All physical & chemical properties represent average values and subject to normal production variations.  
The specifications are also subject to change. For current information please contact Beşler Office.

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**CR**Assembled Roving for  
Pipe-Chopping Application**PRODUCT FEATURES**

- Boron-free ECR-glass
- Environment friendly
- Good unwinding
- Good wet out
- Good choppability
- Low fuzz & static

**PRODUCT SPECIFICATION****CR**

|                                    |                       |
|------------------------------------|-----------------------|
| • Glass Type                       | ECR (B-Free)          |
| • Filament Diameter (μ)            | Nom. 13               |
| • Roving Tex (g/10 <sup>3</sup> m) | 2400 ± % 5            |
| • Split Tex (g/10 <sup>3</sup> m)  | Nom. 57               |
| • Moisture Content (%)             | Max. 0,1              |
| • Sizing Type                      | Silane                |
| • Loss of Ignition (%)             | 1,15 ± 0,15           |
| • Compatability                    | Polyester, Vinylester |

**PACKAGING**

| Type           | Pallet Dimensions (cm) | Bobbins per Pallet | Layers per Pallet | Pallet Height (cm) | Product Net Weight per Pallet |
|----------------|------------------------|--------------------|-------------------|--------------------|-------------------------------|
| Bulk packaging | 93 x 123               | 48                 | 4                 | 120                | 1032                          |

**BOBIN DIMENSIONS**

| Weight (kg) | Inner Diameter(mm) | Outer Diameter(mm) | Height(mm) |
|-------------|--------------------|--------------------|------------|
| Nom. 21,5   | 75                 | 295                | 255        |

**STORAGE**

Products should be stored in original package in dry and dust free area.  
Storage temperature is between 10°C - 30°C at humidity between 50% - 75%.

**WARRANTY**

All physical & chemical properties represent average values and subject to normal production variations.  
The specifications are also subject to change. For current information please contact Beşler Office.

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**TS**

Assembled Roving for Translucent Sheet Weaving Stitching

**PRODUCT FEATURES**

- Boron-free ECR-Glass
- Environment friendly
- Good unwinding
- Fast wet out
- Good translucency
- Good choppability & dispersion
- Low fuzz & static

**PRODUCT SPECIFICATION**

|                                    |              |
|------------------------------------|--------------|
| • Glass Type                       | ECR (B-Free) |
| • Filament Diameter (μ)            | Nom. 13      |
| • Roving Tex (g/10 <sup>3</sup> m) | 2400 ± % 5   |
| • Split Tex (g/10 <sup>3</sup> m)  | Nom. 33      |
| • Moisture Content (%)             | Max. 0,1     |
| • Sizing Type                      | Silane       |
| • Loss of Ignition (%)             | 0,55±0,15    |
| • Compatability                    | Polyester    |

**PACKAGING**

| Type           | Pallet Dimensions (cm) | Bobbins per Pallet | Layers per Pallet | Pallet Height (cm) | Product Net Weight per Pallet |
|----------------|------------------------|--------------------|-------------------|--------------------|-------------------------------|
| Bulk packaging | 93 x 123               | 48                 | 4                 | 120                | 1032                          |

**BOBIN DIMENSIONS**

| Weight (kg) | Inner Diameter(mm) | Outer Diameter(mm) | Height(mm) |
|-------------|--------------------|--------------------|------------|
| Nom. 21,5   | 75                 | 295                | 255        |

**STORAGE**

Products should be stored in original package in dry and dust free area.  
Storage temperature is between 10°C - 30°C at humidity between 50% - 75%.

**WARRANTY**

All physical & chemical properties represent average values and subject to normal production variations.  
The specifications are also subject to change. For current information please contact Beşler Office.

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**CC**Assembled Roving for  
Centrifugal Casting Applications**PRODUCT FEATURES**

- Boron-free ECR-Glass
- Environment friendly
- Good unwinding
- Good wet out
- Good choppability
- Low fuzz & static

**PRODUCT SPECIFICATION**

|                                    |                       |
|------------------------------------|-----------------------|
| • Glass Type                       | ECR (B-Free)          |
| • Roving Tex (g/10 <sup>3</sup> m) | 2400 ± % 5            |
| • Filament Diameter (μ)            | Nom. 13               |
| • Split Tex (g/10 <sup>3</sup> m)  | Nom. 133              |
| • Moisture Content (%)             | Max. 0.1              |
| • Sizing Type                      | Silane                |
| • Loss of Ignition (%)             | 0,75 ± 0,15           |
| • Compatability                    | Polyester, Vinylester |

**PACKAGING**

| Type           | Pallet Dimensions (cm) | Bobbins per Pallet | Layers per Pallet | Pallet Height (cm) | Product Net Weight per Pallet |
|----------------|------------------------|--------------------|-------------------|--------------------|-------------------------------|
| Bulk packaging | 93 x 123               | 48                 | 4                 | 120                | 1032                          |

**BOBIN DIMENSIONS**

| Weight (kg) | Inner Diameter(mm) | Outer Diameter(mm) | Height(mm) |
|-------------|--------------------|--------------------|------------|
| Nom. 21,5   | 75                 | 295                | 255        |

**STORAGE**

Products should be stored in original package in dry and dust free area.  
Storage temperature is between 10°C - 30°C at humidity between 50% - 75%.

**WARRANTY**

All physical & chemical properties represent average values and subject to normal production variations.  
The specifications are also subject to change. For current information please contact Beşler Office.

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**PR**Assembled Roving for  
Panel Applications

PR | Assembled Roving for Panel Applications

**PRODUCT FEATURES**

- Boron-free ECR-Glass
- Environment friendly
- Good unwinding
- Good wet out
- Good choppability
- Low fuzz & static

**PRODUCT SPECIFICATION****PR**

|                                    |                  |
|------------------------------------|------------------|
| • Glass Type                       | ECR (B-Free)     |
| • Filament Diameter (μ)            | Nom. 13          |
| • Roving Tex (g/10 <sup>3</sup> m) | 2400 ± % 5       |
| • Split Tex (g/10 <sup>3</sup> m)  | Nom. 33          |
| • Moisture Content (%)             | Max. 0,1         |
| • Sizing Type                      | Silane           |
| • Loss of Ignition (%)             | 0,85 ± 0,15      |
| • Campatability                    | Polyester, Epoxy |

**PACKAGING**

| Type           | Pallet Dimensions (cm) | Bobbins per Pallet | Layers per Pallet | Pallet Height (cm) | Product Net Weight per Pallet |
|----------------|------------------------|--------------------|-------------------|--------------------|-------------------------------|
| Bulk packaging | 93 x 123               | 48                 | 4                 | 120                | 1032                          |

**BOBIN DIMENSIONS**

| Weight (kg) | Inner Diameter(mm) | Outer Diameter(mm) | Height(mm) |
|-------------|--------------------|--------------------|------------|
| Nom. 21,5   | 75                 | 295                | 255        |

**STORAGE**

Products should be stored in original package in dry and dust free area.  
Storage temperature is between 10°C - 30°C at humidity between 50% - 75%.

**WARRANTY**

All physical & chemical properties represent average values and subject to normal production variations.  
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# SMC

## Assembled Roving for SMC Applications



### PRODUCT FEATURES

- Boron-free ECR-Glass
- Environment friendly
- Good unwinding
- Good choppability & dispersion
- Low fuzz & static
- High mechanical properties
- Suitable for multi purpose SMC

### PRODUCT SPECIFICATION

|                                          | SMC-H                 | SMC-M                 |
|------------------------------------------|-----------------------|-----------------------|
| • Glass Type                             | ECR (B-Free)          | ECR (B-Free)          |
| • Filament Diameter (μ)                  | Nom. 14               | Nom. 14               |
| • Roving Tex (g/10 <sup>3</sup> m) ± % 5 | 2400-4800             | 2400-4800             |
| • Split Tex (g/10 <sup>3</sup> m)        | Nom. 80               | Nom. 80               |
| • Moisture Content (%)                   | Max. 0,15             | Max. 0,15             |
| • Sizing Type                            | Silane                | Silane                |
| • Loss of Ignition (%)                   | 1,25 ±0,2             | 1,25 ±0,2             |
| • Compatability                          | Polyester, Vinylester | Polyester, Vinylester |
| • Solubility In Styrene                  | High                  | Medium                |

### PACKAGING

| Type           | Pallet Dimensions (cm) | Bobbins per Pallet | Layers per Pallet | Pallet Height (cm) | Product Net Weight per Pallet |
|----------------|------------------------|--------------------|-------------------|--------------------|-------------------------------|
| Bulk packaging | 93 x 123               | 48                 | 4                 | 120                | 1032                          |

### BOBIN DIMENSIONS

| Weight (kg) | Inner Diameter(mm) | Outer Diameter(mm) | Height(mm) |
|-------------|--------------------|--------------------|------------|
| Nom. 21,5   | 75                 | 295                | 255        |

### STORAGE

Products should be stored in original package in dry and dust free area.  
Storage temperature is between 10°C - 30°C at humidity between 50% - 75%.

### WARRANTY

All physical & chemical properties represent average values and subject to normal production variations.  
The specifications are also subject to change. For current information please contact Beşler Office.

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# LFD50-2400

Chopped Direct Roving



## PRODUCT FEATURES

- Boron-free ECR-glass
- Environment friendly
- Excellent mechanical properties
- Low discoloration performance
- Optimal strand integrity
- Improved flow
- Low fuzz
- Improved bulk density for less storage and handling costs

## PRODUCT SPECIFICATION

### PR

|                         |                                               |
|-------------------------|-----------------------------------------------|
| • Glass Type            | ECR (B-Free)                                  |
| • Filament Diameter (μ) | Nom. 17                                       |
| • Moisture Content (%)  | Max 0.07                                      |
| • Sizing Type           | Silane                                        |
| • Loss of Ignition (%)  | 0,55 ±0,15                                    |
| • Compatability         | Epoxy, Polyester, Vinylester Resins, Phenolic |
| • Fibre Length (mm)     | Nom. 48                                       |

## PACKAGING

| Type    | Pallet Dimensions (cm) | Pallet Height (cm) | Quantity per Pallet | Net Weight per Pallet (cm) |
|---------|------------------------|--------------------|---------------------|----------------------------|
| Big bag | 114 x 114              | 150                | 1                   | 1000-1100                  |

## STORAGE

Products should be stored in original package in dry and dust free area. Storage temperature is between 10°C - 30°C at humidity between 50% - 75%.

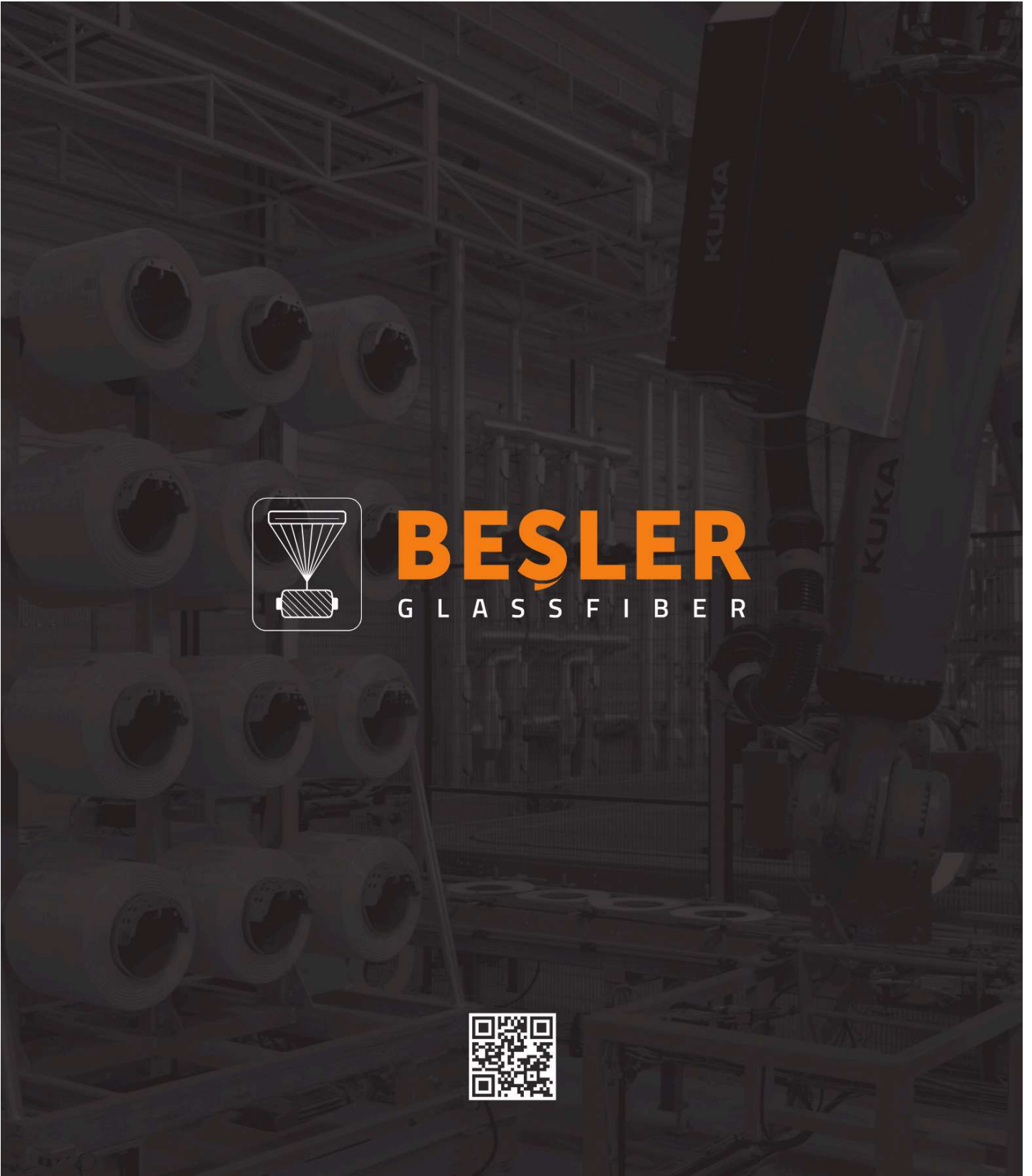
## WARRANTY

All physical & chemical properties represent average values and subject to normal production variations. The specifications are also subject to change. For current information please contact Beşler Office.

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LFD50-2400 | Assembled Roving for Panel Applications



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