

# Glassfibre Wrapping Wire

## Aluminium, Wrapping Glassfibre Yarn, Class 180



### Characteristics

#### Product name:

GLFIBRE 180 1AL, GLFIBRE 180 2AL, GLFIBRE 180 3AL

#### Specifications:

Internal sinoualum or customer specification

#### Class: 180

Temperature index:  $\geq 180^{\circ}\text{C}$  acc. to experience

Heat shock:  $\geq 200^{\circ}\text{C}$

#### Conductor material:

EN 1715 - EN AW1370 [Al99.7]

#### Insulation:

1-3 layers of glass-fibre yarn

Impregnation: polyesterimide

#### Shelf life:

5 years, under normal ambient conditions

#### Properties:

- Excellent resistance to mechanical stress

- Suitable in light weigh designs

#### Field of application:

- Generators

- Large motors

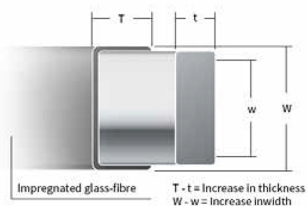
- Magnet coils

- Welding equipment

#### Standard packaging:

PT520

### Product drawings



### Technical Properties

Main characteristics	Interval	Acceptance criteria
<b>Electrical properties</b> Conductor resistance	0,02817 $\Omega\text{mm}^2/\text{m}$	0,02817 $\Omega\text{mm}^2/\text{m}$
<b>Conductivity</b>	$> 35.5 \text{ m}/(\Omega\text{mm}^2)$	$> 35.5 \text{ m}/(\Omega\text{mm}^2)$
<b>Breakdown voltage</b> - Dafibre 180 1AL - Dafibre 180 2AL - Dafibre 180 3AL	All sizes	350 V 560 V 750 V
<b>Mechanical properties</b> Elongation	$t \leq 3,15$ $t > 3,15$	$\geq 15\%$ $\geq 20\%$
<b>Flexibility</b> - Bending flatwise	All sizes	10 x thickness
<b>Adherence</b>	All sizes	10% stretch, no loss of adhesion