

ES 180

TECHNICAL DATA SHEET

ES 180 is a silicone sleeving for electrical insulation which is extremely flexible both at low and high temperatures.

ES 180 is especially used for good thermal and dielectric insulation and also offers very good resistance to the Corona effect.

Working temperature -80°C up to +225°C

Standard colours All colours.



DIMENSION DATA

Inner diameter	From 0,3 mm up to 40 mm						
Wall thickness	From 0,25 mm up to 2 mm						
Inner diameter tolerances	<table> <tbody> <tr> <td><14 mm :</td> <td>±0,20 mm</td> </tr> <tr> <td>From 14,1 up to 20 mm :</td> <td>±0,30 mm</td> </tr> <tr> <td>>20 mm</td> <td>±0,35 mm</td> </tr> </tbody> </table>	<14 mm :	±0,20 mm	From 14,1 up to 20 mm :	±0,30 mm	>20 mm	±0,35 mm
<14 mm :	±0,20 mm						
From 14,1 up to 20 mm :	±0,30 mm						
>20 mm	±0,35 mm						
Wall thickness tolerances	<table> <tbody> <tr> <td><0,4 mm</td> <td>±0,10 mm</td> </tr> <tr> <td>>From 0,4 up to 1,0 mm :</td> <td>±0,15 mm</td> </tr> </tbody> </table>	<0,4 mm	±0,10 mm	>From 0,4 up to 1,0 mm :	±0,15 mm		
<0,4 mm	±0,10 mm						
>From 0,4 up to 1,0 mm :	±0,15 mm						

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TECHNICAL CHARACTERISTICS

Standard Requirements

PHYSICAL

Working temperature	-80°C up to +225°C
Peak temperature	+280°C
Specific gravity	1,26
Elongation at break	300% mini.
Tensile strength	8 MPa mini.
Shore hardness	73 Shore A (60 ±5)

ELECTRICAL

Dielectric strength	20 kV/mm mini.
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CUTTING/MARKING

Upon request.

PACKAGING

Upon request.

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We certify that the values provided are as accurate as possible. Use of these values, however, remains the sole responsibility of the customer and cannot in any way substitute for testing the product under real conditions of use. The user must assess whether this product is suitable for a particular use. Gremco shall not be held responsible for any loss or anomaly resulting from the correct or incorrect use of this product.