



AC series - Acrylic resin fiberglass sleeving

AC series are fiberglass braided sleeving coated with acrylic resin. This items belongs to the F class (155°C). The main characteristics are: very good conformability, good heat and excellent abrasion resistance.

Thermal properties:

Thermal Class: F 155°C
Usage temp.: -30°C +155°C
Short time peacks: +180°C

Packaging:

From 0,5 mm. up to 4 mm.
200 meters rolls

from 5 mm. up to 16 mm.
100 meters rolls

Colour:

Shining yellow is the standard colour. Other colours on request.

Size:

| AC 2 | | |
|-----------------|--------------|----------------|
| Inside Diameter | Tolerance mm | Wall thickness |
| 0,5 | + 0,3 - 0 | 0,37 ±0,13 |
| 1 | | 0,42 ±0,13 |
| 1,5 | | 0,42 ±0,13 |
| 2 | | 0,42 ±0,13 |
| 2,5 | | 0,42 ±0,13 |
| 3 | | 0,45 ±0,13 |
| 3,5 | | 0,45 ±0,13 |
| 4 | | 0,45 ±0,13 |
| 5 | | 0,52 ±0,13 |
| 6 | | 0,52 ±0,13 |
| 7 | | 0,52 ±0,13 |
| 8 | | 0,52 ±0,13 |
| 9 | | 0,62 ±0,13 |
| 10 | | 0,62 ±0,13 |
| 12 | | 0,62 ±0,13 |
| 14 | | 0,62 ±0,13 |
| 16 | 0,72 ±0,13 | |

Breakdown Voltage:

Minimun

- AC2: 3000 Volt

Main property:

| Property | Results |
|---------------|-----------------------------------------------------------------------------------------------------------|
| After heating | No cracking or detachment of the varnish film. It maintains its flexibility after several hours at 200°C. |
| Chemical | Compatible with most insulating varnishes. |

Applications:

- Motor and transformers connections
- Cable protection
- General electrical usage

It must be stored in a dry place, inside plastic bags, away from direct sunlight, weathering, chemical materials, direct heat sources or fire. Storage time is 12 months.



The values given above are believed to be accurate and given as a matter of information only. As usage conditions are beyond our control we suggest the customer to confirm values and product compatibility prior to its use. We don't guarantee nor accept any responsibility for any particular usage.



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MATERIAL SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

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|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Product identification | AC1 (1500Volt) – AC2 (3000 Volt) – AC3 (4000 Volt) |
| Company Identification | Isolcavi sas di Ghidoni Anna Via Abitazione, 5/1 Loc. Monteveglio - 40050 Valsamoggia (BO) Italy Tel. +39 051 83.24.85 Fax +39 051 83.26.01 |

2 COMPOSITION / INFORMATION ON INGREDIENTS

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| Product description: Impregnated or coated insulating fiberglass sleeving, made of glass fibre Identification of components: - Glass Fibre - Impregnating or coating varnish or resin Components contributing to the hazard: No hazardous components. |
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3 HAZARD IDENTIFICATION

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| The product poses, as it is, no known hazard to human health or to the environment. See n. 5 for hazards in case of fire. |
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4 FIRST AID

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| In case of contact with skin: in case of reaction in sensitive individuals, wash with water for several minutes. In case of contact with eyes: in case of reaction in sensitive individuals, wash with water for several minutes. If swallowed: seek medical advice. If inhaled: not specifically concerned. |
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5 FIRE FIGHTING MEASURES

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| Extinguishing media: powder/Carbon dioxide (CO ₂)/Foam/Water fog Extinguishing media not to be used: none Auto flammability of components: over 400°C or not applicable Special risk resulting from the exposure to combustion gases: this material may release fumes or more or less toxic gases in the event of fire. Exposure to these gases of fumes may pose health risk. Special protective equipment for fire-fighting personnel: wear self-contained breathing apparatus. |
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6 MEASURES IN CASE OF ACCIDENTAL LOSS

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| Individual protective equipment: no special measures required. Environmental precautions: no special measures required. Clean-up/absorption method: no special measures required. |
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7 HANDLING AND STORAGE

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| Handling: no special measures required. Storage: preferably store far from fire and inclement weather. |
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8 EXPOSURE CONTROL / PERSONAL PROTECTION

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| Exposure limit for humans: none, in normal working conditions. Special measures for reducing exposure: none in normal working conditions. Personal protection: do not eat, drink or smoke. Wash hands after handling the material. Keep away from food and beverages. Avoid contact with eyes. |
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9 PHYSICAL AND CHEMICAL PROPERTIES

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| Form: solid Color: several pH value: not concerned Initial boiling point: not applicable Flash point: not applicable | Explosivity hazard: not explosive Explosivity limits: not applicable Vapour pressure: not applicable Density: not applicable Solubility: not applicable |
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10 STABILITY AND REACTIVITY

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| Conditions to avoid: no decomposition if used as prescribed. Materials to avoid: no known during normal working conditions. Hazardous decomposition products: none during normal working conditions. |
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11 TOXICOLOGICAL INFORMATIONS

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| Acute toxicity: not concerned. Local effects: in certain sensitive individuals, may cause slight and brief irritation of the skin and ocular mucous membranes. Sensitization: not concerned. |
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12 ECOLOGICAL INFORMATIONS

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| Non-biodegradable material. Non-toxic in water. Action on the ozone layer: not available |
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13 DISPOSAL CONSIDERATIONS

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| Partially recyclable. Product disposal information: comply with local regulations. Packaging disposal information: comply with local regulations. |
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14 TRANSPORT INFORMATIONS

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| Transport is not restricted. |
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15 REGULATORY INFORMATIONS

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| This material is not classified as hazardous for the user; respect general rules regarding safe and health. |
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16 OTHER INFORMATIONS

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| The product must be used and/or installed by qualified and trained personnel. This MSDS completes the technical data sheets but does not supersede them. The information given herein is based on extent of our knowledge of the product on the publishing date. The information given herein is offered in good faith as accurate. Moreover, users should be aware of the possible hazard incurred when a product is used for any purpose other than its intended use. In no way it relieve the user from knowing and applying all texts governing his/her activity. It is the user's sole responsibility to take the necessary precautions associated with the use of the product. All of the regulatory provisions mentioned are provided to assist the end-user in fulfilling his/her obligations when using a danger product. This list must not be considered as exhaustive. It does not stop the user from making sure that he/she complies with the written obligations other than those previously cited and which rule the fact of keeping and using the product for which hs/she is the sole responsible person. |
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