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ABB Industrie AG

HIME 650108

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Delivery Instruction**Hose GI Gefl 7, Flat Hose**

| | | | |
|-------------------|-------------------|--------------------|-------------|
| Designation text: | LA-Hose GI Gefl 7 | Documentation no.: | HIME 950108 |
|-------------------|-------------------|--------------------|-------------|

1 General**1.1 Scope**

This instruction lays down all the requirements which are made for the semi-finished product hose GI Gefl 7.

1.2 Description, Definition

Hose GI Gefl 7 is a braided flat hose made of glass filament yarn (E-glass), oil-dextrine size is not allowed.

1.3 Product Designation

| For semi-finished product | Designation text | Identification number |
|---------------------------|---------------------------------------|---|
| Flat hose | Fl Schl thickness x width - GI Gefl 7 | HZN 451141 P... (see order for item no.) |

1.4 Dimensions

See order.

1.5 Delivery Documents, Destination For Delivery

See order.

1.6 Order

The order is the summary of the particulars and regulations that apply to the delivery. ABB reserves the right to test all the requirements listed, test material for which is included in the order. The order can contain requirements which differ from or supplement instruction (except the section 2.1 "Properties").

1.7 Supplier's Product Designation

Semi-finished product hose GI Gefl 7 must receive a designation of quality from the supplier, which must be changed if alterations are made to the composition, the quality of the raw materials, the method of manufacturing or other factors that could influence the technological properties of the semi-finished product.

1.8 Acceptance of New Products

Attainment of the properties listed is not in itself sufficient for the acceptance of new, previously unaccepted products. Only if after particular experiments, practical service tests and if necessary, other considerations have been taken into account, it appears that the new product is acceptable and interchangeable, we may decide to convert to it.

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UM65030CP3

2.1 Properties

| Code | Size, term | Unit | Values | Test method |
|-------|--|------|--|-------------|
| 01156 | Mass per unit length | g/m | see section 2.4 | |
| | permissible deviation | | | |
| 03400 | Fabric surface treatment | | negative | |
| | Presence of oil-dextrine in aqueous extract | | | |
| 51110 | Burn-out loss, mass content (pre-dried for 2 h / 110 °C) | % | < 1.0 | ISO 1887 |
| 84800 | Supplier | - | Approved suppliers see in the card-index (Standard volume HZN 151) | |
| 90100 | Thickness s | mm | 1.6 | 1) 3) |
| | permissible deviation | | ± 0.25 | |
| 90200 | Width | mm | see section 2.4 | 2) |
| | permissible deviation | | | |

2.3 Consignment

2.3.1 Form of the Consignment

In bundles to 100 metres.

2.3.2 Packing

The individual shipments are to be packed so that no damage can arise during transport.

2.3.3 Transport

The shipment is to be made by rail or road transport in such a way that it can be unloaded easily.

2.3.4 Identification

Each item of the consignment (bundle etc.) must be labelled securely and indelibly (e.g. with an adhesive label or an appendage) with the following details: ABB designation text and identification number, quantity and eventually batch and test numbers.

2.4 Permissible deviations

For width and Mass / length

| Inside- Ø | width 2) b | perm. dev. | Mass / length g/m | perm. dev. | Inside- Ø | width 2) b | perm. dev. | Mass / length g/m | perm. dev. |
|--------------|---------------|---------------|----------------------|---------------|--------------|---------------|---------------|----------------------|---------------|
| 4,0 | 5,0 3) | ± 15 % | 11 | ± 10 % | 16,0 | 23 | ± 15 % | 41 | ± 10 % |
| 5,0 | 7,0 | | 17 | | 18,0 | 24 | | 43 | |
| 7,0 | 9,0 | | 22 | | 20,0 | 26 | | 47 | |
| 9,0 | 13 | | 28 | | 25,0 | 38 | | 62 | |
| 11,0 | 17 | | 34 | | 30,0 | 42 | | 71 | |
| 14,0 | 20 | | 40 | | | | | | |

Alternative for Wulfschl. 1,1 x 15 (EN 02151)

Kroppach 99-05-18

1) Measured with a vernier calipers.

2) Measured on an unstretched, unbuckled hose lying flat.

3) For the hose with flat width of 5 mm is the thickness $s 1.2 \pm 0.1$ mm.

Note:

The code numbers in section 2.1 serve as internal functional key and have therefore no significance for the user of the delivery instruction.