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## Product Data Sheet

### Viscofan Cellulose Casings

VISCOFAN is ISO 9002 certified since June 94 (ER-106/2/94) . Renewed in 1997 and 2000, 2003 and again in 2006 according to the version 9001:2000.

VISCOFAN is certified in accordance to the Food Safety standard of the British Retail Consortium (BRC) since 2002.

#### Basic composition:

65% Pure regenerated cellulose  
18% Glycerine (food grade)  
15% Water  
2% White mineral oil (food grade)

When talking about the Easy Peeling quality, little amounts of Polysorbat 80 and CMC, always below 0,3%, are added to the additive to facilitate the peeling.

There are no, hence, toxical ingredients in our formulation and the above mentioned casing of regenerated cellulose have been approved for its use in the production of cooked meat products and registered in the Health Registration of Food Industries number (Número de Registro Sanitario de Industrias Alimentarias) 39224/NA dependent on the Departamento de Salud del Gobierno de Navarra, Spain (Health Department of Navarra).

#### Allergens:

Viscofan cellulosic casings do not contain allergenic substances, in accordance to European Directive 89/2003.

#### GMO:

Original raw materials and process coadjutants used in Viscofan cellulosic casings do not contain genetically modified organisms, and specific labelling is not required in accordance to 1829/2003 CE and 1830/2003 regulations.

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**Advantages:**

- consistent in diameter
- guarantee a trouble free process
- smokable
- impermeable to aromatic compounds in the smoke
- easy to peel
- printable

**Assortment:**

Presentation: shirred

Diameter range: 12EUR/13USA - 42EUR/44USA

Closed end: for automatic stuffing equipment.

Open end: for linking devices and manual operation.

Easy peel quality: for high-speed peelers.

Standard quality: for unpeeled and printed casings

Colours:

Transferable: red, orange

Non-transferable: blue, red, orange, salmon red, light smoke. Other colours according to prior agreement.

Stripes:

3 stripes up to diameter 19 EUR / 21 USA 4 stripes from diameter 20 EUR / 22 USA onwards Stripes colour: blue, black, white Other colours according to prior agreement.

Print:

One-colour print. You can choose from a large range of colours.

Shadow Print, being impermeable to smoke allows a shadow image to develop on the sausage during processing.

**Processing**

Cellulose casings can be used directly without any preconditioning.

Avoid loss of humidity.

Fill to recommended filling diameter

**Storage**

Between 15°C and 20°C at a relative humidity of 70%. Recommended period of use: 2 years.

## Stuffing Recommendations

| Caliber | FRANK-A-MATIC / HITEC MACHINES |               |        |                    | PAL, AI,<br>TWIST-<br>LINKERS |                   |
|---------|--------------------------------|---------------|--------|--------------------|-------------------------------|-------------------|
|         | Rec. Stuff.<br>Diam.           | Stuffing Tube |        | Chuck              |                               | Tube and<br>Break |
| EUR     | Ø+0,4mm                        | ø mm          | Nº FAM | ø mm = Nº<br>HITEC | Nº                            | Nº                |
| 12      | 13,7                           | 7,8           | 10     | 8                  | 13-14                         | 8                 |
| 13      | 14,3                           | 7,8           | 10     | 8                  | 14-15                         | 8                 |
| 14      | 15                             | 7,8-8,7       | 10-11  | 8-9                | 15-16                         | 8-9               |
| 15      | 15,7                           | 7,8-8,7       | 10-11  | 8-9                | 15-16                         | 8-9               |
| 15,5    | 16,3                           | 8,7           | 11     | 9                  | 16-17                         | 9                 |
| 16      | 17                             | 9,5           | 12     | 9-10               | 16-17-18                      | 9-10              |
| 17      | 17,8                           | 9,5           | 12     | 9-10               | 17-18-19                      | 10                |
| 18      | 18,5                           | 10,3          | 13     | 10-11              | 18-19                         | 11                |
| 19      | 19,3                           | 10,3          | 13     | 10-11              | 19-20                         | 11-12             |
| 20      | 20                             | 11,1          | 14     | 10-11              | 20-21                         | 12                |
| 21      | 20,5                           | 11,1-11,9     | 14-15  | 11-12              | 20-21-22                      | 12-13             |
| 22      | 21,5                           | 11,9          | 15     | 12                 | 21-22-23                      | 12                |
| 23      | 22,5                           | 11,9-12,7     | 15-16  | 12-13              | 22-23                         | 12-13             |
| 24      | 23,5                           | 11,9-12,7     | 15-16  | 12-13              | 22-23-24                      | 12-13             |
| 25      | 24,5                           | 12,7-13,5     | 16-17  | 13-14              | 23-24-25                      | 13-14             |
| 26      | 25,5                           | 13,5-14,3     | 17-18  | 14-15              | 25-26                         | 15                |
| 27      | 26,5                           | 13,5-14,3     | 17-18  | 14-15              | 25-26-27                      | 14-15             |
| 28      | 27,5                           | 15,1          | 19     | 14-15              | 26-27-28                      | 14-15             |
| 29      | 28,5                           | 15,8          | 20     | 15-16              | 29                            | 15-16             |
| 30      | 29,5                           | 15,8          | 20     | 15-16              | 29                            | 15-16             |
| 32      | 31,5                           | 15,8          | 20     | 15-16              | 29                            | 18                |
| 34      | 33,5                           |               |        |                    |                               |                   |
| 36      | 35,5                           |               |        |                    |                               |                   |
| 38      | 37,5                           |               |        |                    |                               |                   |
| 40      | 39,5                           |               |        |                    |                               |                   |
| 42      | 41,5                           |               |        |                    |                               |                   |

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