

# ZEUS PU FOOD

## *Ether-based Polyurethane Ducting, reinforced with PVC helix, resistant to microbes, abrasion and hydrolysis* **HEAVY DUTY**

### Applications

Suction and delivery of alimentary products even fatty food and liquids. Not suitable milk or dairy products. Indicated for suction and transport of sugar, flour, grains and animal feeds etc.

### Technical Features

Ether based Polyurethane duct reinforced with an anti-shock rigid PVC spiral. Completely smooth inside, corrugated outside. Heavy duty product with a wall thickness from 1,2 to 2,0 mm.

### Properties

Heavy duty product with a PU wall thickness from 1.2 up to 2 mm resistant to abrasion and flexion, this hose features high mechanical properties. Excellent resistance to microbes, hydrolysis, ozone, weather conditions, most chemicals. Halogens free and conform to RoHS as well as free from phthalates.

### Standards

Food grade according to FDA REg. Cfr 21-Item 17.2600 (acqueous and fatty food) and to EU Reg. 10/2011, classes A, B, C, D2, REACH Regulation (1907/2006), TRB S 2153.

It can be manufactured in antistatic version adding a copper wire. By earthing the copper wire, the duct becomes electrically bonded. The electrical resistance  $R \leq 10^2 \text{ Ohm/m}$  is according to ISO 8031 - ATEX Directive 94/4/EC and 99/92/EC

### Temperature range

-40°C +80°C / -40°F +176°F

#### Technical data

| Part number       | Inside ø (mm) | Min. wall thickness (mm) | Max. wall thickness (mm) | Weight (g/m) | Working press. (bar) | Bursting press. (bar) | Vacuum (mH2O) | Bending radius (mm) | Coil length (m) | Volume (m³) |
|-------------------|---------------|--------------------------|--------------------------|--------------|----------------------|-----------------------|---------------|---------------------|-----------------|-------------|
| ZE 01 030.0 000.0 | 30            | 1,2                      | 3,4                      | 320          | 3,0                  | 9                     | 9             | 130                 | 30              | 0,091       |
| ZE 01 032.0 000.0 | 31,8          | 1,2                      | 3,4                      | 340          | 3,0                  | 9                     | 9             | 140                 | 30              | 0,099       |
| ZE 01 035.0 000.0 | 35            | 1,3                      | 3,6                      | 380          | 3,0                  | 9                     | 9             | 160                 | 30              | 0,108       |
| ZE 01 038.0 000.0 | 38,1          | 1,3                      | 3,8                      | 410          | 3,0                  | 9                     | 9             | 180                 | 30              | 0,117       |
| ZE 01 040.0 000.0 | 40            | 1,5                      | 4,6                      | 490          | 3,0                  | 9                     | 9             | 190                 | 30              | 0,139       |
| ZE 01 045.0 000.0 | 45            | 1,5                      | 4,7                      | 570          | 3,0                  | 9                     | 8             | 200                 | 30              | 0,154       |
| ZE 01 052.0 000.0 | 50,8          | 1,5                      | 5,2                      | 700          | 3,0                  | 9                     | 8             | 215                 | 30              | 0,214       |
| ZE 01 060.0 000.0 | 60            | 1,5                      | 5,2                      | 870          | 3,0                  | 9                     | 8             | 230                 | 30              | 0,246       |
| ZE 01 063.0 000.0 | 63,5          | 1,5                      | 5,2                      | 910          | 3,0                  | 9                     | 8             | 240                 | 30              | 0,298       |
| ZE 01 065.0 000.0 | 65            | 1,5                      | 5,2                      | 930          | 3,0                  | 9                     | 8             | 240                 | 30              | 0,304       |
| ZE 01 070.0 000.0 | 70            | 1,5                      | 5,2                      | 940          | 2,5                  | 7,5                   | 8             | 250                 | 30              | 0,371       |
| ZE 01 076.0 000.0 | 76,2          | 1,7                      | 5,2                      | 1120         | 2,5                  | 7,5                   | 8             | 270                 | 30              | 0,466       |
| ZE 01 080.0 000.0 | 80            | 2,0                      | 5,3                      | 1260         | 2,5                  | 7,5                   | 7             | 290                 | 30              | 0,518       |
| ZE 01 090.0 000.0 | 90            | 2,0                      | 5,3                      | 1400         | 2,5                  | 7,5                   | 7             | 380                 | 30              | 0,592       |
| ZE 01 100.0 000.0 | 100           | 2,0                      | 6,0                      | 1600         | 2,5                  | 7,5                   | 7             | 420                 | 30              | 0,716       |
| ZE 01 102.0 000.0 | 102           | 2,0                      | 6,0                      | 1630         | 2,5                  | 7,5                   | 7             | 420                 | 30              | 0,729       |
| ZE 01 120.0 000.0 | 120           | 2,0                      | 7,0                      | 2400         | 2,0                  | 6                     | 6,5           | 480                 | 30              | 1,544       |
| ZE 01 127.0 000.0 | 127           | 2,0                      | 7,0                      | 2500         | 1,5                  | 4,5                   | 6,5           | 530                 | 30              | 1,625       |
| ZE 01 150.0 000.0 | 151,5         | 2,0                      | 7,7                      | 3100         | 1,5                  | 4,5                   | 6             | 800                 | 20              | 1,279       |

