

# ZEUS PU EST

**Ester-based Polyurethane Ducting, smooth inside, reinforced with PVC helix, resistant to abrasion - HEAVY DUTY**

## Applications

Suction of granules, pellets, gravel, sands. Can be used as sandblast recovery hose. Ideal for the suction and delivery of granules in the plastic industry.

## Technical Features

Ester based polyurethane hose, reinforced by an anti-shock rigid PVC spiral. Completely smooth inside to ensure optimization of flow properties and corrugated outside. Wall thickness from 1,2 to 2,00 mm.

## Properties

High mechanical properties, very good resistance to abrasion and most chemicals. Specifically recommended to transfer abrasive media, it keeps high flexibility even at low temperature. Halogens free conform to RoHS, completely free from phthalates

## Standards

RoHS 2011/65/EU Directive, 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  $R \leq 10^2$  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) |
| OZ 01 030.0 000.0 | 30            | 1,2                      | 3,7                      | 320          | 3,0                  | 9                     | 9             | 130                 | 30              | 0,091       |
| OZ 01 032.0 000.0 | 31,8          | 1,2                      | 3,8                      | 340          | 3,0                  | 9                     | 9             | 140                 | 30              | 0,101       |
| OZ 01 035.0 000.0 | 35            | 1,3                      | 3,8                      | 380          | 3,0                  | 9                     | 9             | 160                 | 30              | 0,109       |
| OZ 01 038.0 000.0 | 38,1          | 1,3                      | 3,8                      | 410          | 3,0                  | 9                     | 9             | 180                 | 30              | 0,117       |
| OZ 01 040.0 000.0 | 40            | 1,5                      | 4,6                      | 490          | 3,0                  | 9                     | 9             | 190                 | 30              | 0,139       |
| OZ 01 045.0 000.0 | 45            | 1,5                      | 4,7                      | 570          | 3,0                  | 9                     | 8             | 200                 | 30              | 0,154       |
| OZ 01 052.0 000.0 | 50,8          | 1,5                      | 5,3                      | 700          | 3,0                  | 9                     | 8             | 215                 | 30              | 0,215       |
| OZ 01 060.0 000.0 | 60            | 1,5                      | 5,5                      | 870          | 3,0                  | 9                     | 8             | 230                 | 30              | 0,248       |
| OZ 01 063.0 000.0 | 63,5          | 1,5                      | 5,5                      | 910          | 3,0                  | 9                     | 8             | 240                 | 30              | 0,301       |
| OZ 01 065.0 000.0 | 65            | 1,5                      | 5,5                      | 930          | 3,0                  | 9                     | 8             | 240                 | 30              | 0,307       |
| OZ 01 070.0 000.0 | 70            | 1,5                      | 5,7                      | 940          | 2,5                  | 7,5                   | 8             | 250                 | 30              | 0,375       |
| OZ 01 076.0 000.0 | 76,2          | 1,7                      | 5,7                      | 1120         | 2,5                  | 7,5                   | 8             | 270                 | 30              | 0,472       |
| OZ 01 080.0 000.0 | 80            | 2,0                      | 5,8                      | 1260         | 2,5                  | 7,5                   | 7             | 290                 | 30              | 0,523       |
| OZ 01 090.0 000.0 | 90            | 2,0                      | 5,8                      | 1400         | 2,5                  | 7,5                   | 7             | 380                 | 30              | 0,598       |
| OZ 01 100.0 000.0 | 100           | 2,0                      | 6,3                      | 1600         | 2,5                  | 7,5                   | 7             | 420                 | /               | /           |

