



# FLEXIBLE BEND 1m

(ABS031 - 27mm)

Soft PVC hose with embedded steel wire reinforcement.

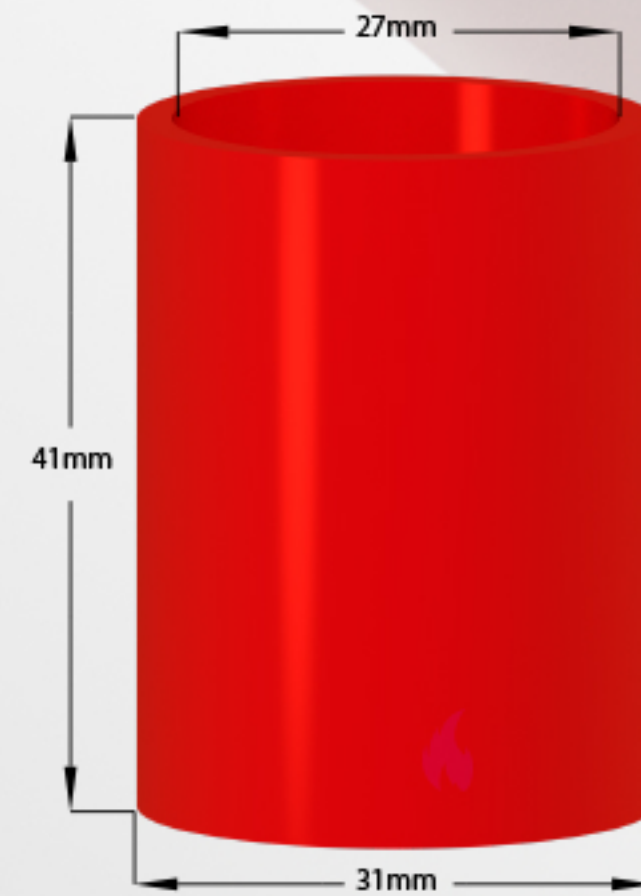
Very flexible, strong, abrasion resistant, smooth inside and outside.

## Installation Instructions:

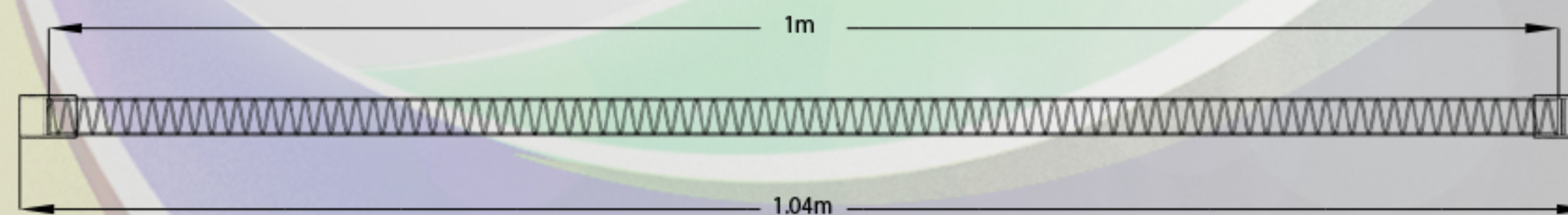
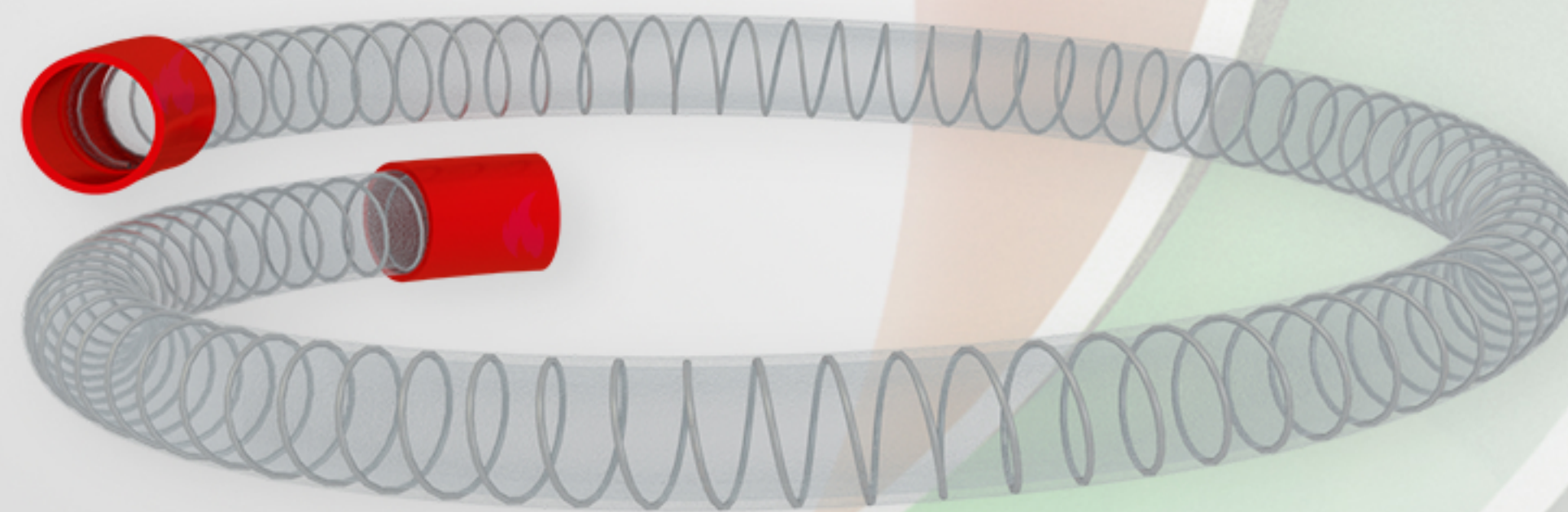
- Do not paint.
- Keep pipe clean and free from dust.
- Do not install in direct sunlight.
- Only install with approved pipe.
- Do not use solvents to clean, only soapy water.

<b>Part No.</b>	<b>ABS031-27</b>
<b>Fittings colour</b>	<b>RED</b>
<b>Pipe Color</b>	<b>Transparent</b>
<b>Diameter Tolerance</b>	<b>+/- 0.15mm</b>

Jointing Socket Side Elevation



Jointing Socket Front Elevation



### RAW MATERIAL DATA

#### Soft PVC

Temperature range: -5°C to 65°C  
 Wall Thickness: 3.5mm  
 Weight: 360 gr./mtr.  
 Bending Radius: 55mm  
 Working pressure: 5 bar at 23°C  
 Vacuum: 8.5 m. H<sub>2</sub>O  
 Steel coil length: 60 mtr.

All technical specifications apply to a temperature of 23°C ±2°C (ISO 291) - Tolerance on all specifications ±5%

#### 3M Scotch-Weld DP-8005 cement

Able to withstand:  
 4 months at 70°F (21°C) (Control)  
 4 months in water at 140°F (60°C)  
 4 months dry at 120°F (49°C)

Each of the tested bonds showed little or no degradation from extended aging.

In general, the bonds showed excellent resistance to most environments except toluene and gasoline.

#### Notes for use:

The product can be used under the following conditions:

Temperature Range -5°C to 60°C  
 Shear Force up to 930 PSI  
 Humidity up to 95%  
 Working pressure up to 5 bar at 23°C

Can be immersed in water for up to 4 months at 60°C

Can not be used if the product will be contaminated with gasoline or toluene

Cement used to glue the tube to the end pieces show no significant degradation from ageing

### RAW MATERIAL DATA

#### Kumho ABS 750 Acrylonitrile Butadiene Styrene

**Physical:**  
 Specific Gravity 1.04  
 Test Method ASTM D792

Melt Mass - Flow Rate (MFR)  
 200°C/21.6 kg 47 g/10 min  
 200°C/5.0 kg 4.1 g/10 min  
 220°C/10.0 kg 34 g/10 min  
 Test Method ASTM D1238

Molding Shrinkage -  
 Flow 0.0040 to 0.0070 in/in  
 Test Method ASTM D955

**Mechanical:**  
 Tensile Strength  
 Yield, 73°F (23°C)  
 1.97 in (50.0mm)  
 6670 psi  
 Test Method ASTM D638

**Tensile Elongation**  
 Yield, 73°F (23°C)  
 1.97 in (50.0 mm), 15%  
 Test Method ASTM D638

**Flexural Modulus**  
 Yield, 73°F (23°C)  
 0.118 in (3.00 mm)  
 312000 psi  
 Test Method ASTM D638

**Flexural Strength**  
 Yield, 73°F (23°C)  
 0.118 in (3.00 mm)  
 9230 psi  
 Test Method ASTM D790

**Impact**  
 Noched Izod Impact  
 73°F(23°C), 0.126 in (3.20 mm), 5.5 ft-lb/in  
 73°F(23°C), 0.252 in (6.40 mm), 4.8 ft-lb/in  
 Test Method ASTM D256

**Hardness**  
 Rockwell Hardness (R-Scale) 108  
 Test Method ASTM D785

**Thermal**  
 Deflection Temperature Under Load  
 264 psi (1.8 MPa), Unanneald 185°F/85°C  
 Test Method ASTM D648

Vicat Softening Temperature 203°F/95°C  
 Test Method ASTM D1525

**Flamibility**  
 Flame Rating  
 0.0630 in (1.60 mm) HB  
 0.0866 in (2.20 mm) HB  
 0.126 in (3.20 mm) HB  
 Test Method UL 94

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