



# FLEXIBLE BEND 30cm

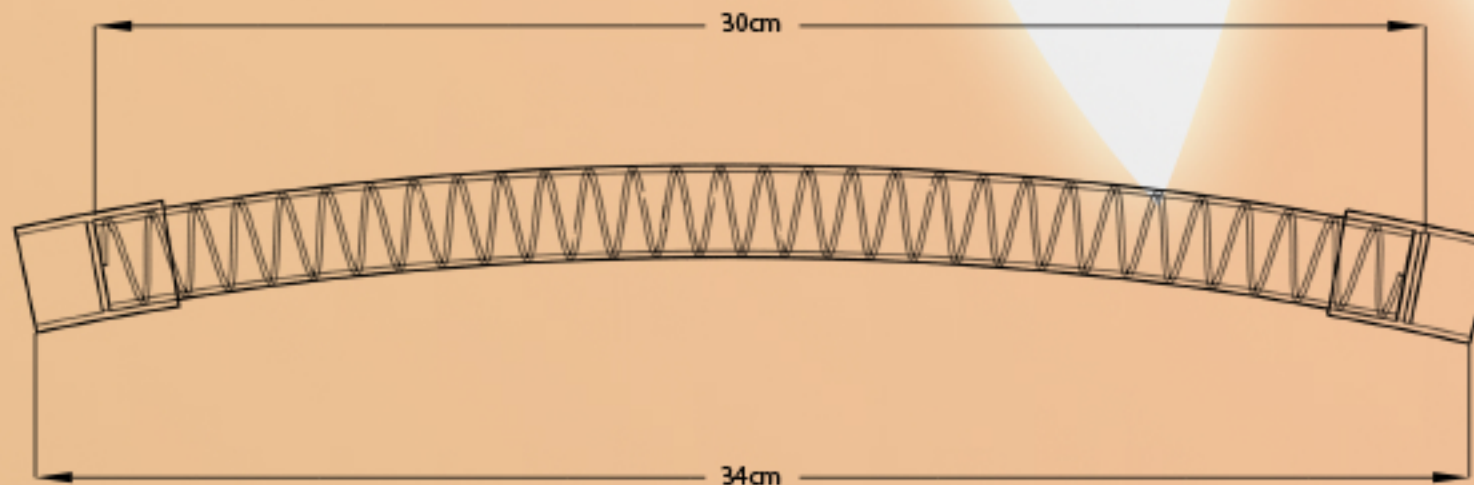
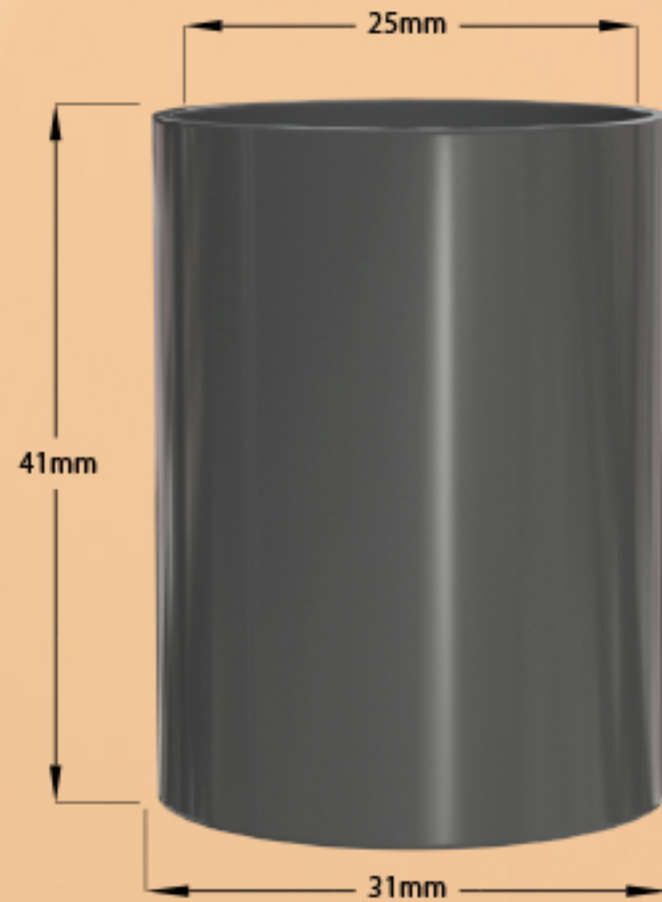
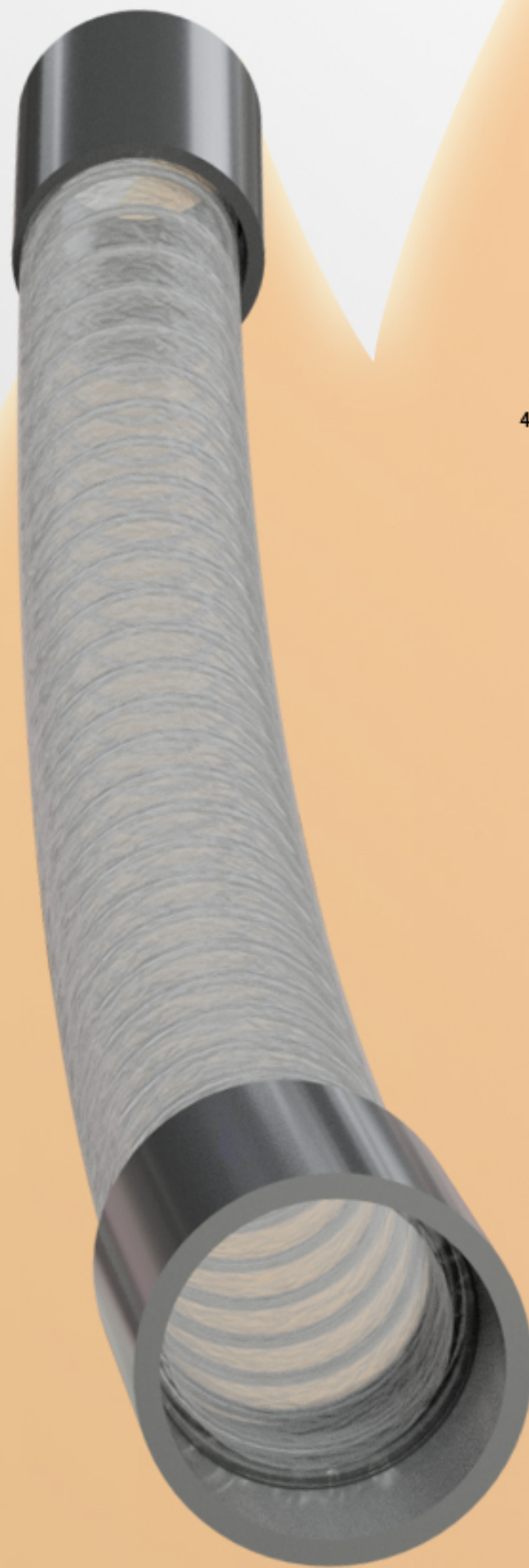
(PIPG-026 - 25mm)

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.

Part No.	PIPG-026
Fittings colour	GREY
Pipe Color	OPAQUE
Diameter Tolerance	+/- 0.15mm



### 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

#### Flamability

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

Fire Suppression Limited  
Unit 11, Eldonwall Trading Estate,  
St.Phillips, Bristol, BS4 3QQ

Tel: 0845-127-9915  
Fax: 0845-127-9959  
sales@firesuppression.co.uk