FLEXIBLE BEND 12cm

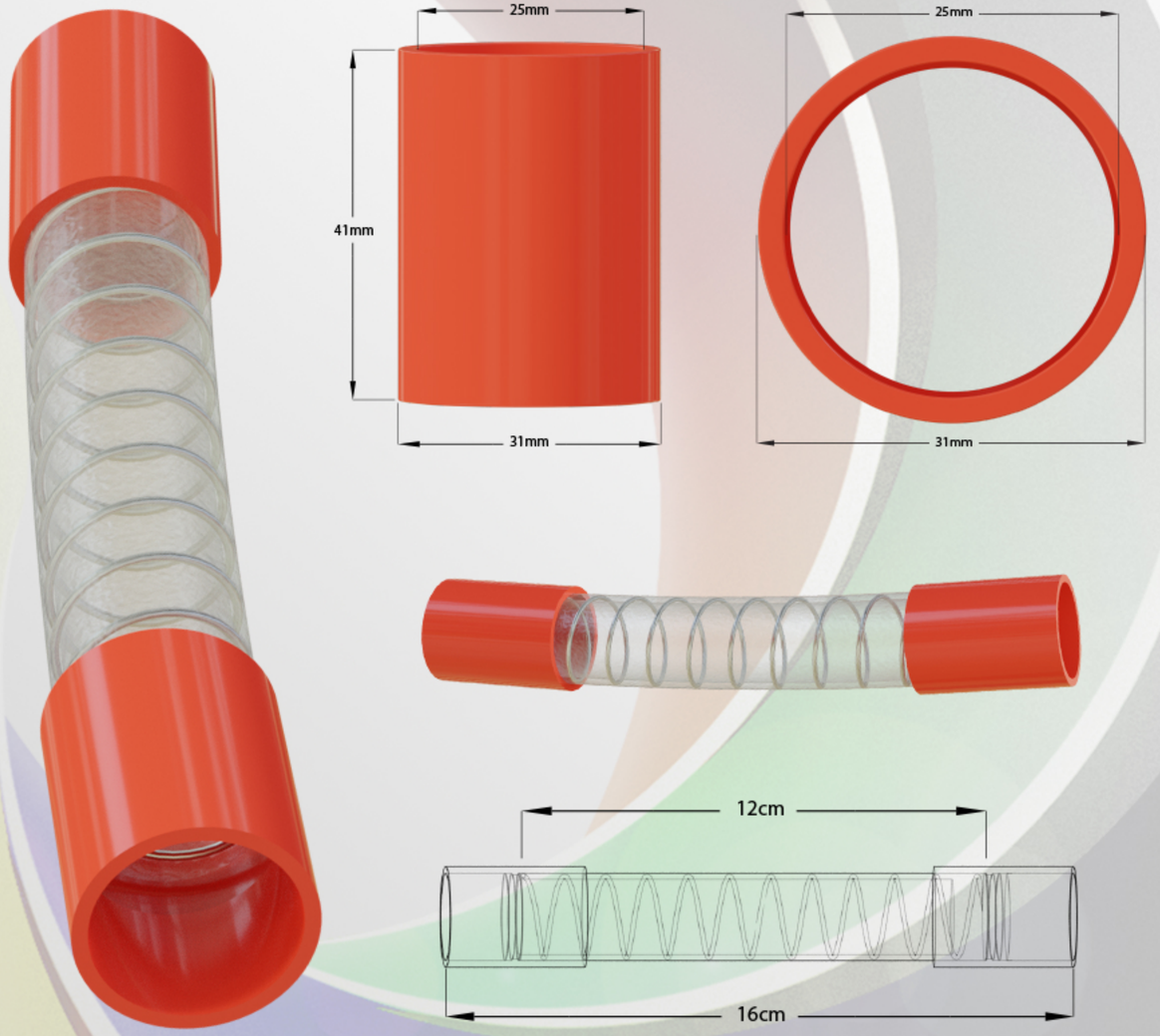
(ABS032 - 25mm)

Soft PVC hose with embedded steel wire reinforcement.
Very flexible, strong, abrasion ressistant, 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.	**ABS032-25**
Fittings colour	**RED**
Pipe Color	**Transparent**
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_2O
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 Butaduene Styrene

Pysical:
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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