

FLEXIBLE BEND 1M

(ABS031 - 25mm)



Soft PVC hose with embedded steel wire reinforcement. Very exible, 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.

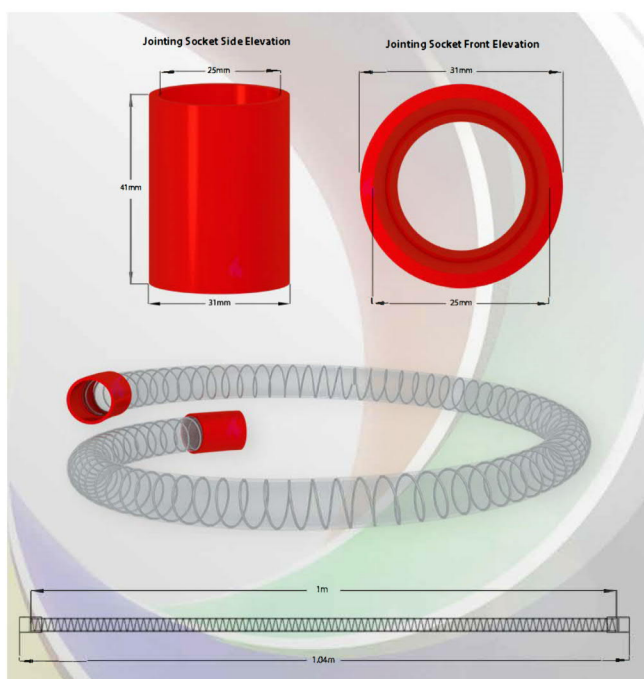
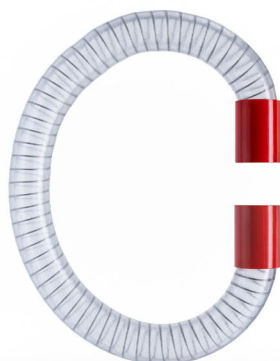
Temperature range -20°C to 70°C.

PART NO.:
ABS031 -
25mm

**FITTINGS
COLOUR:**
Red

PIPE COLOUR:
Transparent

**DIAMETER
TOLERANCE:**
+ / - 0.15mm¹



RAW MATERIAL DATA

Soft PVC

Temperature range -20°C to 70°C.
wall thickness 3.5mm.
Weight 360 gr./mtr.
Bending Radius 55mm.
Working Pressure 5 bar at 23°C.
Vacuum 8.5 m. H₂O.
Steel coil length 60mtr.

All technical specifications apply to a temperature of 23°C ± 2°C (ISO291) - 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 ageing.

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.

Physical

Specific Gravity:
Test Method ASTM D792

Melt Mass - Flow Rate (MFR)

200C/5.0Kg 2.6g/10 min
220C/10Kg 33g/10min
Test Method ASTM D1238

Moulding Shrinkage

Flow 0.0040 to 0.0070 in/in
Test Method ASTM D955

Mechanical

Tensile Strength
Yield 5510psi 0.118 in (3.00mm)
Tensile Elongation: 22%
Break 0.118 IN (3.00mm)
Test Method ASTM D638

Flexural Modulus

284000psi 0.236 in (6.00mm)
Test Method ASTM D790

Flexural Strength

8390psi 0.236 in (6.00mm)
Test Method ASTM D790

Impact

Notched IZOD Impact
73F (23C) 0.118 in (3.00mm) 4.6ft-lb/in
73F (23C) 0.236 in (6.00mm) 3.3ft-lb/in
Test Method ASTM D256

Hardness

Rockwell Hardness (R-Scale) 103
Test Method ASTM D785

Thermal

Deflection Temperature Under Load 264psi (1.8 MPa) Unannealed 181/83t
Viscal Softening Temperature 214/101t
Test Method ASTM D1525

Flamability

Flame Rating
0.0630 in 1.60mm HB
Test Method UL94