FLEXIBLE BEND 30CM
(WHABS030 - 25mm)

BISSON
THE PIPE FITTINGS EXPERTS

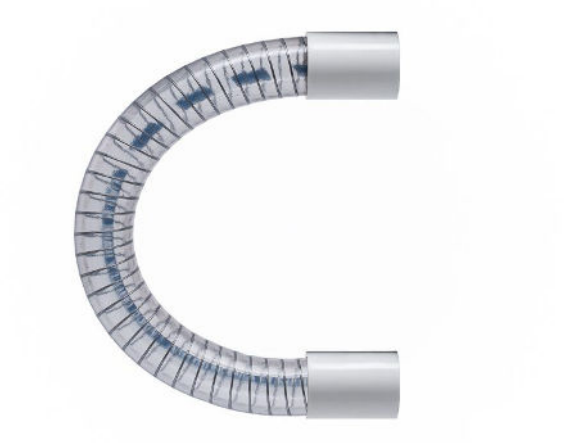
Soft PVC hose with embedded steel wire reinforcement. Very exible, strong, abrasion ressistant, smooth inside and outside.

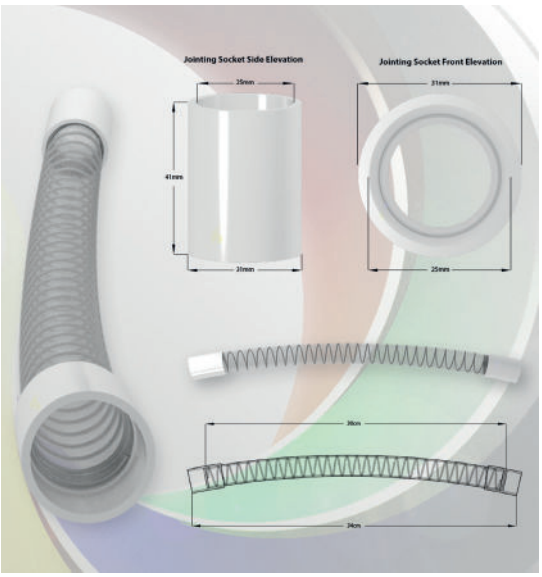
Installation Instructions:

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.:	FITTINGS COLOUR:	PIPE COLOUR:	DIAMETER TOLERANCE:
WHABS030 - 25mm	White	Transparent	+ / - 0.15mm'





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.

Al 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 degredation from extended ageing.

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

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

PEERS QUALITY ASSURANCE LTD
UKAS MANAGEMENT SYSTEMS
ISO 9001:2015 9940

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