

ABS PIPE 2.4M

(ABS008/27 - 2.4m)



BISSON
THE PIPE FITTINGS EXPERTS

2.4 Meter ABS 27mm aspirating smoke detection pipes EN54 - 20 Approved. Pipe is designed for aspirating re detection only.

Installation Instructions:

Do not bend the pipe. Do not paint. Keep pipe clean and free from dust. Do not install in direct sunlight. Pipe clips are required every 800mm Only install with approved fittings. Do not use solvents to clean, only soapy water. Only use approved pipe plastic cutters to cut the pipe. Ensure that pipe cutters are sharp. When ambient temperatures outside are 15°C to 25°C use pipe expansion joints. working temperatures between -40°C to +70°C.

PART NO.: ABS008/27 - 2.4m	TEXT COLOUR: Black	TEST BY BSI TO: EN54-20:2006 Clause 5.7	TEXT DESCRIPTION FIRE ALARM AIR SAMPLING PIPE - DO NOT CUT OR PAINT
FITTINGS COLOUR: Red	DIAMETER TOLERANCE: + / - 0.15mm	TEST REPORT 2381/74533753	

Bracket Spacing Intervals

Plastic pipe lines require regular support, and the spacing of clips or brackets depends on the pipe used, temperature and density of the liquid carried.

25mm pipe size bracket spacing in meters

20°C	30°C	40°C	50°C	60°C	70°C
1.00	0.95	0.85	0.75	0.70	0.60



RAW MATERIAL DATA

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
Viscous Softening Temperature 214/101t
Test Method ASTM D1525

Flamability

Flame Rating
0.0630 in 1.60mm HB
Test Method UL94

