



ABS PIPE

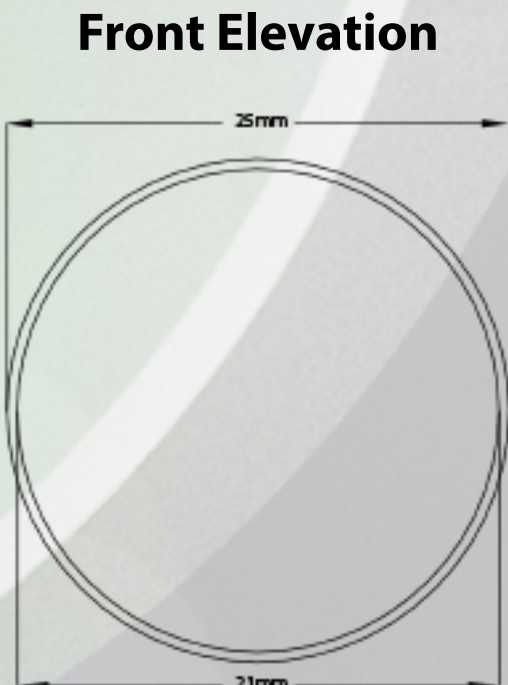
(ABS008/25 - 25mm)

3 Meter ABS 25mm aspirating smoke detection pipe EN54 - 20 Approved. Pipe is designed for aspirating fire 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 -20°C to 40°C.

Part No.	ABS008/25
Pipe colour	RED
Text colour	BLACK
Diameter Tolerance	+/- 0.15mm
Test by BSi to	EN54-20:2006 Clause 5.7
Test report	2381/74533753
Text description	“FIRE ALARM AIR SAMPLING PIPE - DO NOT CUT OR PAINT”



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	
Kumho ABS 750 Acrylonitrile Butadiene Styrene	
<u>Physical:</u> 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	
<u>Mechanical:</u> Tensile Strength Yield, 73°F (23°C) 1.97 in (50.0mm) 6670 psi Test Method ASTM D638	
<u>Tensile Elongation</u> Yield, 73°F (23°C) 1.97 in (50.0 mm), 15% Test Method ASTM D638	
<u>Flexural Modulus</u> Yield, 73°F (23°C) 0.118 in (3.00 mm) 312000 psi Test Method ASTM D638	
<u>Flexural Strength</u> Yield, 73°F (23°C) 0.118 in (3.00 mm) 9230 psi Test Method ASTM D790	
<u>Impact</u> 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	
<u>Hardness</u> Rockwell Hardness (R-Scale) 108 Test Method ASTM D785	
<u>Thermal</u> 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	
<u>Flamibility</u> 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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