



# DISCRETE E/C SAMPLING KIT

(ABS020DEC - 25mm)

This component is used when it is necessary to sample through a suspended ceiling. The capillary end cap fits onto the end of the pipe run. There is then a 2 meter 10mm OD nylon tube which links into the discrete head. The discrete cap is supplied with a solid head, which will necessitate a hole being drilled to the required size by the installer. The discrete end cap is held in place by a hole in the ceiling tile.

**Installation Instructions:**  
Use the correct solvent Plusbond 3019.  
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.** ABS020DEC - 25mm  
**Fitting colour** RED  
**Diameter Tolerance** +/- 0.15mm



Jointing Socket with  
Capillary Adaptor

10mm NYLON TUBING  
STANDARD LENGTH 2m

Discrete  
End Cap

## RAW MATERIAL DATA

**Kumho ABS 750**  
**Acrylonitrile Butadiene 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

## RAW MATERIAL DATA

**Nylon**  
NFM 10x7.5 -  
OD Tol's +0.03/-0.09mm  
Burst Pressure 995 PSI / 68 bar  
Bend Radius 40mm  
Weight/30m 1.08kgs

NEM 10x8 -  
OD Tol's +0.02/-0.10mm  
Burst Pressure 772 PSI / 53 bar  
Bend Radius 50mm  
Weight/30m 0.87kgs

Temperature Range -  
-40°C to +70°C, Occasional use up to  
+130°C, Brittle point: -70°C

Technical information for use as  
a guide only.

Pressure values given are based on  
the short term burst pressure at 20°C  
based on a 3:1 safety factor.  
Any increase in temperature above  
20°C will result in a decline in working  
pressure values.

Products and specifications are subject  
to improvements and change without  
notice.

## Low Density Polyethylene (LLDPE)

Tensile Strength - 0.20 - 0.40 N/mm<sup>2</sup>  
Notched Impact Strength -  
No Break KJ/m<sup>2</sup>  
Thermal Coefficient of expansion -  
100 - 220 x 10-6  
Max Cont Use Temp - 65°C  
Density - 0.915 - 0.930 g/cm<sup>3</sup>  
Flexural Modulus - 0.35 GPa  
Strain at Yield - 20%  
Flammability UL94 - HB  
HDT at 0.45MPa - 45°C  
HDT at 1.80 MPa - 37°C

**Bisson Ltd**  
**Unit 11, Eldonwall Trading Estate,**  
**St.Phillips, Bristol, BS4 3QQ**

**Tel: 0117-967-9999**  
**Fax: 0117-961-9261**  
**<http://www.abspipesandfittings.co.uk>**