

DISCRETE SAMPLING KIT

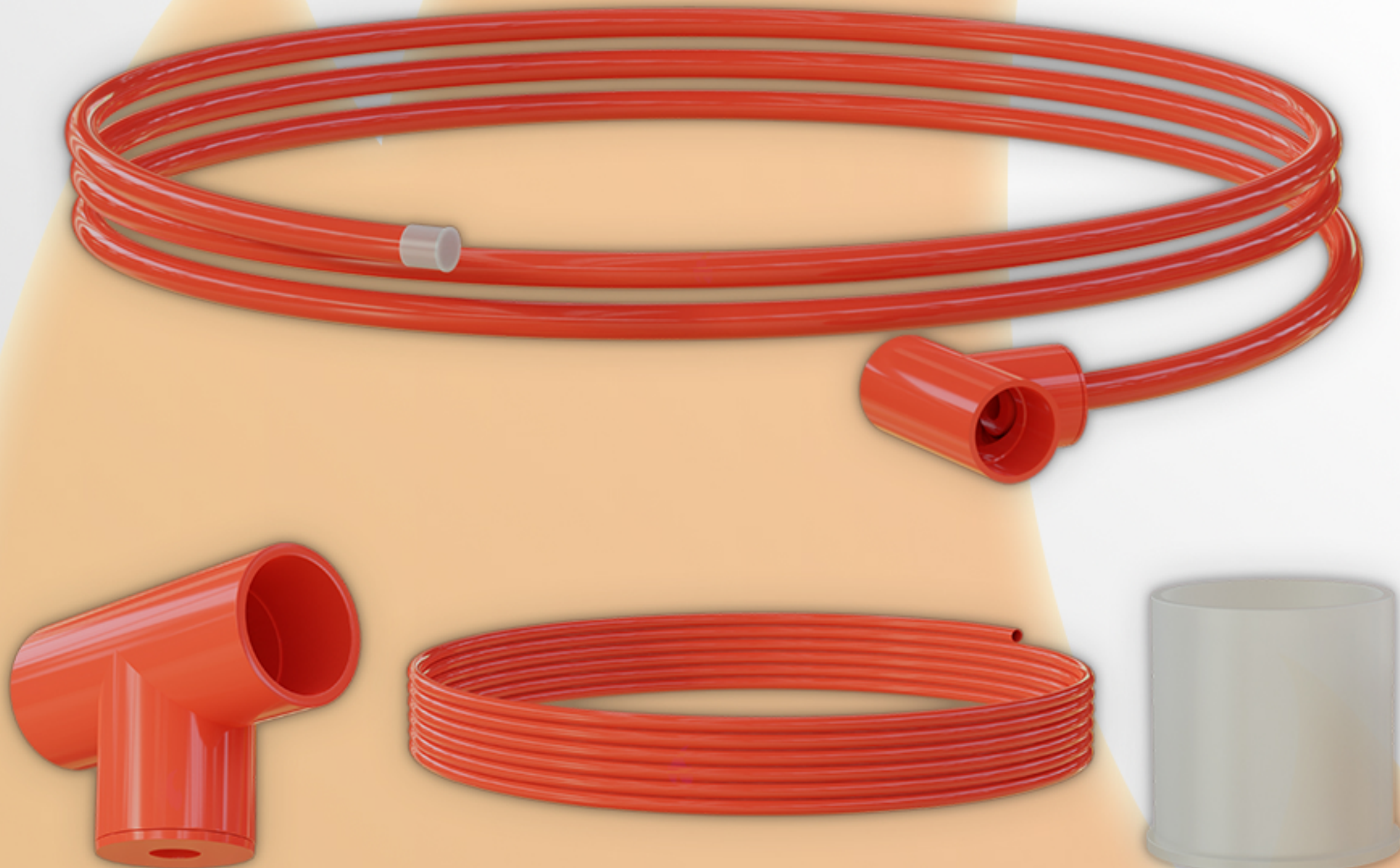
(ABS020/27 - 27mm)

This component is used when it is necessary to sample through a suspended ceiling. The capillary Tee piece fits onto the pipe run. it is followed by 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:

- 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.	ABS020/27
Fitting colour	RED
Diameter Tolerance	+/- 0.15mm



TEE ADAPTOR
ABS022/27

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/mm²
Notched Impact Strength -
No Break Kj/m²
Thermal Coefficient of expansion -
100 - 220 x 10-6
Max Cont Use Temp - 65°C
Density - 0.915 - 0.930 g/cm³
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

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