



# 45° DEGREE BEND

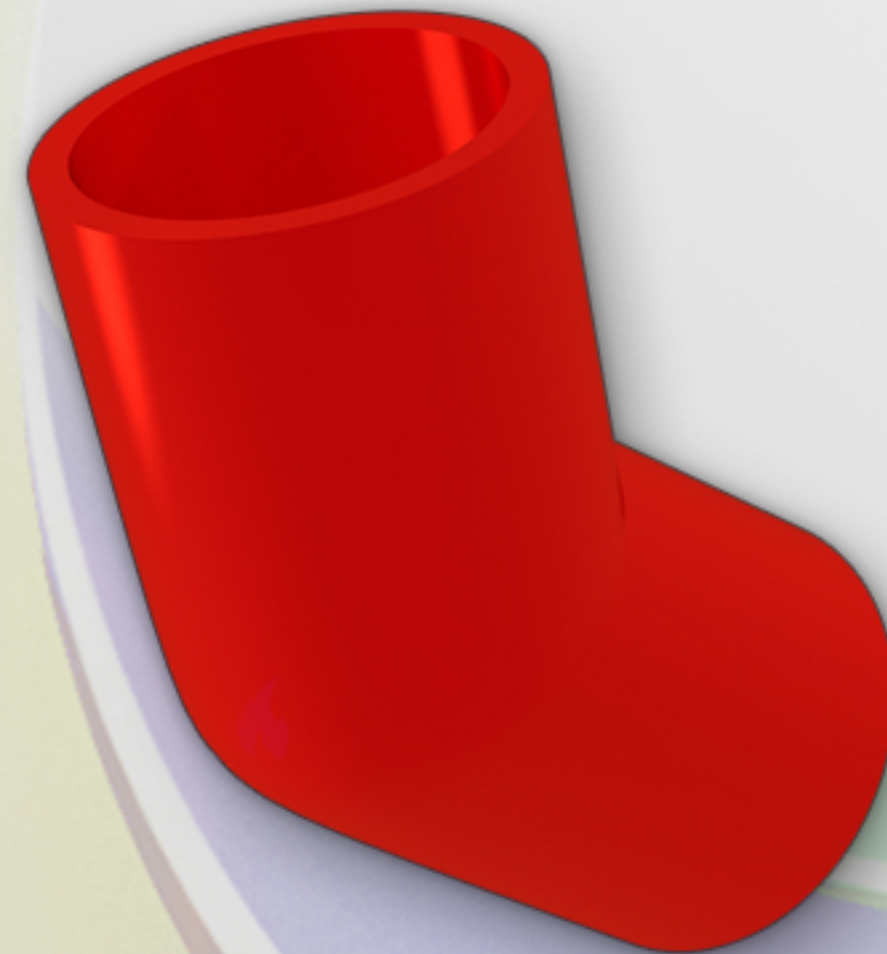
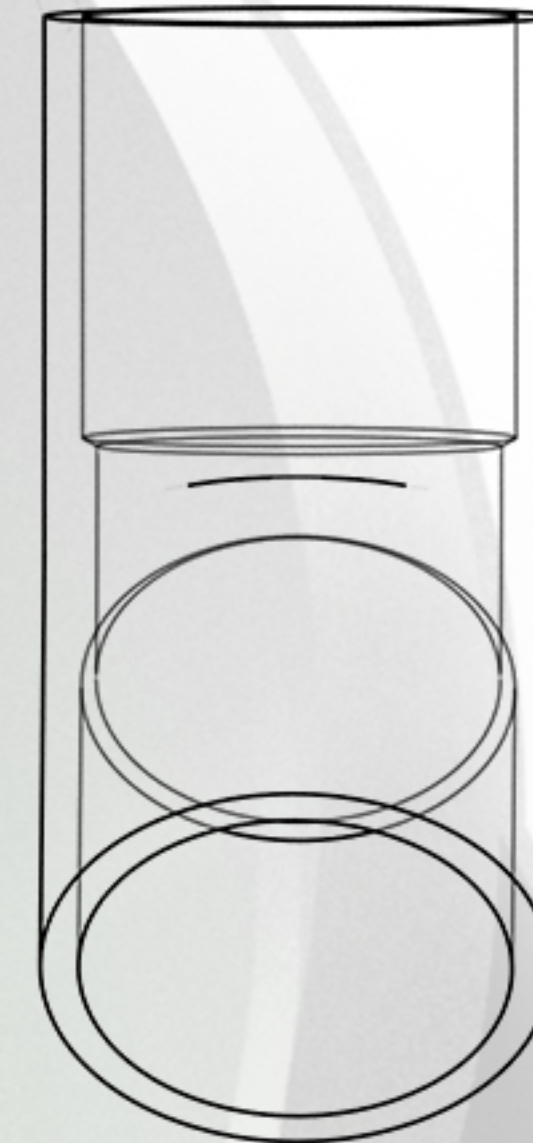
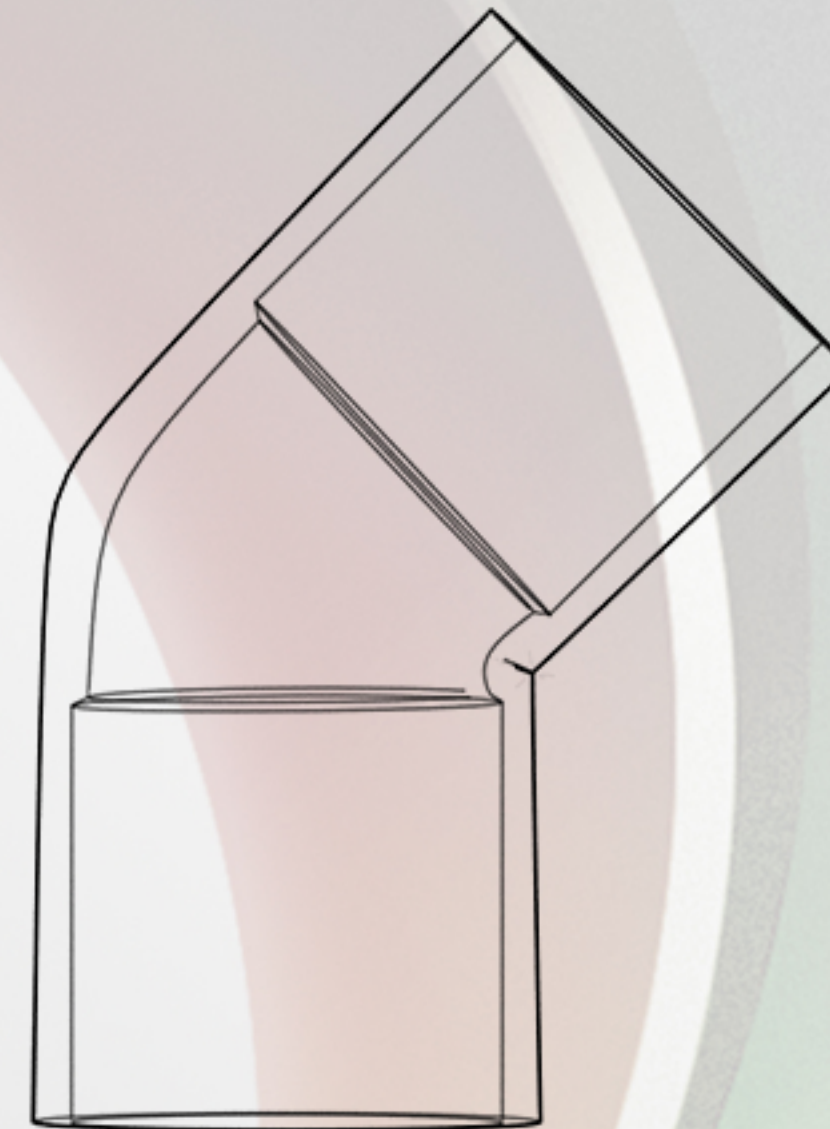
(ABS002 - 27mm)

Designed for changing the direction of a pipe run a degree's on an aspirating smoke detection pipe network. Pipe is designed for aspirating fire detection only.

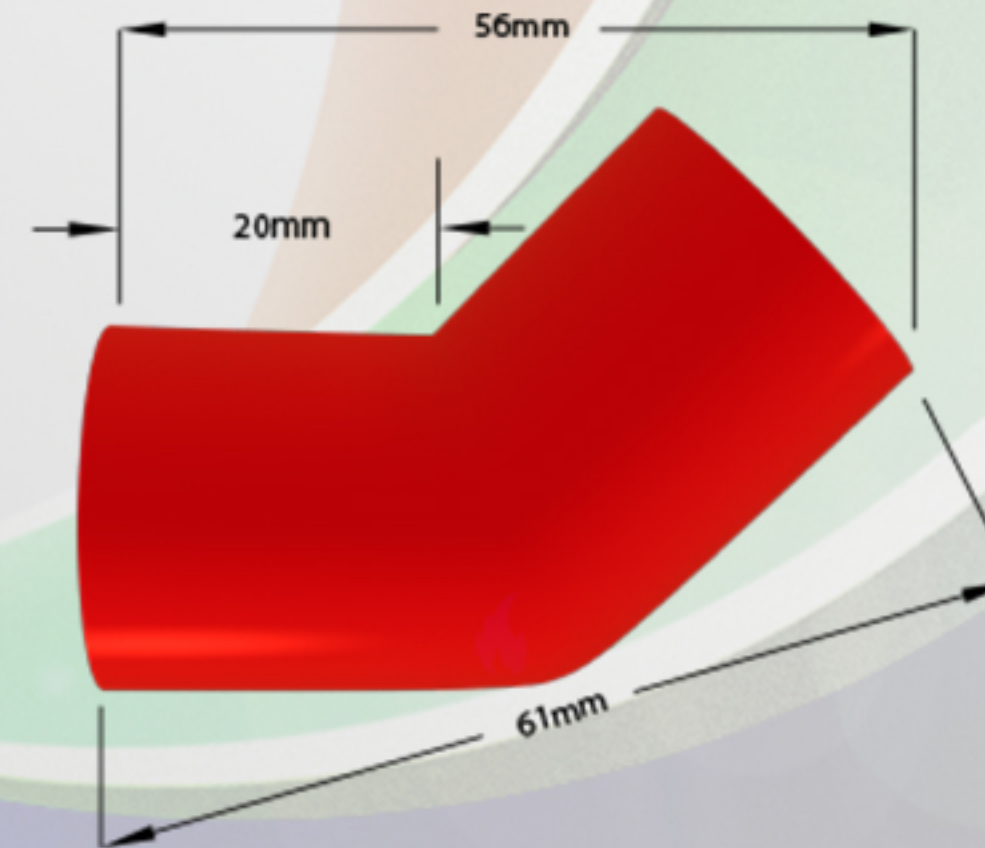
## Installation Instructions:

- 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.** ABS002 - 27mm  
**Pipe colour** RED  
**Diameter Tolerance** +/- 0.15mm



Side Elevation



Front Elevation



### RAW MATERIAL DATA

**Kumho ABS 750**  
 Acrylonitrile Butadiene Styrene

**Physical:**  
 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

**Flamability**  
 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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