



# SPECIFICATIONS AND PERFORMANCE INFORMATION

## EPE Series With plastic helix reinforcement

### Product Description

Atcoflex™ Low-pressure air duct offers optimum performance for HVAC and related applications in the automotive industry. Also suitable for similar ventilation in other industries. The duct is durable, remains flexible at -40°C, and withstands high temperatures. Even when flexed, it retains a smooth interior wall to promote air passage.

### Duct Construction

Atcoflex uses high grade polypropylene helix that is permanently heat-sealed to two layers of the highest quality EPE\*. Heat-sealing creates a stronger bond that will not separate, even in extreme conditions, and does not use environmentally hazardous solvents.

<u>Part Number</u>	<u>Inside Diameter</u>
A-374	2"
A-371	2 1/2"
A-385	3"

### Standard Sizes

Atcoflex™ EPE duct can be made with a diameter of 3/4" to 3".

Your duct can be manufactured up to 20' in length, or pre-cut to any length desired.

The standard duct color is black, while other colors can be ordered.

### Custom options

Atcoflex offers color code marking, component part assembly (foam sleeve and rosebud shown), and duct that is flexible-semi-rigid to meet your specific need.



### Packaging

Packaging method depends on duct sizes specified. Longer lengths are compressed, other sizes are boxed full length or compressed. Compressed duct saves warehouse space and eases installation. We will also custom package using your containers.

### Atcoflex Commitment

Atcoflex Inc. is committed to continuous improvement in all areas including design, engineering, materials application, and customer service. We maintain highest production quality through Statistical Process Control. Whether standard or custom engineered, all products are warranted to be free of defects.

We welcome requests for unique specifications or special requirements for size, shape, and even component part assembly. Atcoflex Inc. specializes in custom engineered and assembled products.

#### **Length**

Up to 20' (6.1 meters) with shorter lengths available. Can be pre-cut to specification.

#### **Material Specifications**

**Cover:** EPE (Ethylene Propylene Elastomer) a TPO (thermoplastic olefin).

**Helix:** Polypropylene (homo-polymer).

#### **Performance Data**

**Heat aging:** No cracking or separation of laminations when flexed around a mandrel the same diameter as duct at ambient temperature after exposure to 230°C for 100 hours.

**Cold Flex:** No cracking or separation of laminations when flexed around a mandrel the same diameter of the duct at -40°C after exposure to -40°C for 6 hours.

**Flammability:** Meets Federal Motor Vehicle Safety Standards 302 (MVSS 302) burn rate and is self-extinguishing.

#### **Operating Data**

**Heat Range:** Maximum working temperature to 230°F(110°C)

**Cold Range:** Minimum Working temperature to -40°F(-40°C)

\*Ethylene Propylene Elastomer (TPO).

**Custom built duct. Ask for more facts or a quote for your requirements.**



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