



ATCOFLEX INC.

EPE SERIES DUCT

(Plastic Reinforcement Helix)

Specifications and Performance Information

Product Description

Atcoflex® air duct offers optimum performance for HVAC applications in the automotive industry. Atcoflex has a wide variety of duct types to give your application the best air flow possible. Even when flexed, ducts retain a smooth interior surface promoting better air passage with low noise due to less turbulence and the soft wall material. Our duct is currently being used by General Motors, Ford, DaimlerChrysler and AM General Corporation.

Duct Construction

Atcoflex uses polypropylene as a helix that is co-extruded or permanently heat-sealed between two layers of the highest quality EPE*, depending on requirements. Heat sealing creates a stronger bond that will not separate, even in extreme conditions, and does not use environmentally hazardous solvents.



Duct with foam sleeve and rosebud clip attached

Packaging

Packaging is to customer specification and can meet the requirements of the automotive industry.

*Ethylene Propylene Elastomer

Standard Sizes

Atcoflex® EPE duct can be manufactured with a diameter of 3/4 inch to 5 inch.

Lengths can be manufactured up to 20 feet or pre-cut to desired length by PLC controlled automatic cut-off.

The standard color is black with other colors available on request.

Atcoflex specializes in custom engineered and assembled products

Custom Options

Atcoflex offers color code marking and component assembly.

Atcoflex also offers a duct which is flexible and semi-rigid to create bends in a profile to meet the customer's specific needs to facilitate easy installation.

Commitment to Quality

Atcoflex, Inc. is committed to quality and continuous improvement in all areas of product development and production. Highest production quality is maintained through Statistical Process Control.

Atcoflex, Inc. is an **ISO/TS 16949** compliant corporation and is **ISO-14001** Environmental Management System compliant. In addition, Atcoflex has been recognized with such awards as Ford's QI and Chrysler's QE.

Atcoflex takes pride in it's on-time delivery record coupled with the ability to react quickly to customer change requests

We welcome requests for unique specifications or special requirements for size, shape and component assembly.

Specifications at a Glance

Length:	Up to 20 feet (6.1 meters) with customer specified lengths pre cut.
Materials:	Cover: EPE (Ethylene Propylene Elastomer), a TPO Helix: Polypropylene (homo-polymer) or high tensile steel wire
Performance:	Heat Aging: No cracks or separation of laminations when flexed around a mandrel the same diameter as the duct after exposure to 150°C for 100 hours. Cold Flex: No cracks or separation of laminations when flexed around a mandrel the same diameter as the duct at -40°C after exposure to -40°C for 6 hours.
Flammability:	Meets Federal Motor Vehicle Safety Standard (FMVSS) 302 burn rate and is self extinguishing.
Environment:	Ducts contain no automotive listed restricted materials
Operating Data:	Heat Range: Maximum working temperature = 230°F Cold Range: Minimum working temperature = -40°F

FOR ADDITIONAL INFORMATION AND QUOTES, CONTACT:

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