

Thermally Insulated

Description:

Peflex 4PA is a certified C-UL S110 (AIR DUCT) insulated flexible air duct consisting of two layers of pure aluminum and two layers of polyester binding a galvanized wire

Peflex 4PA is corrosion resistant, completely water repellent and withstands high operating pressures. Resistance to high operating pressures is possible because of the unique quadruple lamination process. The large thickness of the walls of the internal duct (0.0041" /0.105 mm) as well as the small distance between the wire helix (1 in, 25.2mm) allows to obtain high operating pressures (15po WC, 3.7 KPa).

Peflex 4PA has a vapor barrier composed of two layers of metallized polyester laminated with fiberglass for intensive puncture resistance. This type of vapor barrier is mandatory for the certification "flexible air duct" according to the test standard C-UL S110 (AIR DUCT).

Peflex 4PA offers a much lower coefficient of internal friction than flexible ducts made of fabrics reducing the energy consumption of the air distribution system.

Peflex 4PA offers the best flame resistance in the industry since no combustible material is visible in the internal duct. The internal and external walls of the Peflex 4PA are made of pure non-combustible aluminum. In addition, the adhesive used in the quadruple lamination process contains a retarding agent.

Bending Diameter: 0 times the diameter of the pipe

Insulation: John Manville Flex-Glass certified formaldehyde-free and non-hazardous to health (see technical sheet)

Available diameter: 3" - 4" - 5" - 6" - 7" - 8" - 9" - 10" - 12" - 14" - 16" - 18" - 19" - 20" - 22" - 24"

Standard length of 25' in a 48" box

Flame spread	< 25
Fume development	< 50
Maximum air velocity	4000 ft/min
Maximum continuous positive static pressure	15 po. H ₂ O (3.7 KPa)
Maximum continuous negative static pressure	2.5 po. H ₂ O (0.62 kPa)
Temperature range	-30°F to 250°F (-30°C to 121°C)
Maximum operating temperature	-30°F to 140°F continuously (at 4" WC) -30°F to 180°F continuously (at 2" WC) -30°F to 250°F continuously (at ½" WC)
R coefficient of insulation	R4.2 (1.25" standard thickness) R6 (1.5" standard thickness) R8.4 (2.5" standard thickness) R12 (3" standard thickness)
Vapor barrier materials	Metallic polyester
Flexible duct thickness	0.0041" /0.105 mm
Vapor barrier thickness	0.0037" /0.095 mm

This product meets the standards
NFPA 90A
NFPA 90B



This product is listed
Flexible Air duct class 1

