

PEFLEX 5P / TECHNICAL DATA

EXTRA RESISTANT UNINSULATED DUCT

DESCRIPTION

Peflex 5P is a certified C-UL S110 (AIR DUCT) uninsulated flexible air duct composed of two layers of polyvinyl reinforced with a fiberglass fabric. The 5P is designed to resist tearing and friction.

Peflex 5P is corrosion resistant, completely water repellent and withstands high operating pressures. Resistance to high operating pressures is made possible by the unique quadruple lamination process. The large wall thickness (0.008 1" / 0.205 mm) of the internal duct as well as the small difference between the wire helix (1 in, 25.2mm) allows high operating pressures (15 in WC, 3.7 KPa).

Peflex 5P offers a much lower coefficient of internal friction than flexible ducts made of fabrics reducing the energy consumption of the air distribution system.

Bending Diameter: 0 times the diameter of the pipe
Available diameter: 3" - 4" - 5" - 6" - 7" - 8" - 9" - 10" - 12" - 14" - 16"

Standard 25' length in a 24" box.

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* The duct is listed C-UL-S110 - US-UL-181 Conduit Flexible Classe 1

*The C-UL-S110 standard includes NFPA-90A and B tests.



Flame spread	< 25
Fume development	< 50
Maximum air velocity	5500 ft/minute
Maximum continuous positive static pressure	15 in. H2O (3,7 KPa)
Maximum continuous negative static pressure	10 in H2O (2.49 kPa) dia: up to 12 in 5 in H2O (1.24 kPa) dia: 14 in to 16 in 1 in H2O (0.249 kPa) dia: 18 in to 20 in
Temperature range	-30 °F to 250°F (-30°C à 121°C)
Maximum operating temperature	-30°F to 140°F continuously (to 4 "WC) -30°F to 180°F continuously (to 2 "WC) -30°F to 250°F continuously (to ½"WC)
R coefficient of insulation	R4.2 (1,25" standard thickness) R6 (1,5" standard thickness) R8,4 (2,5" standard thickness)
Duct wall thickness	0,0081"/0,205 mm

INSTALLATION WARNING – ACOUSTIC FLEXIBLE DUCTS

1. Before installing any flexible ducts, ensure that the operating conditions comply with good engineering practices as recommended by ASHRAE.
2. Analyze the location within the HVAC system: Supply zone, return zone, transition area, etc.
3. Confirm the expected airflow and pressure conditions in the section where the duct will be installed.
4. Ensure the selected duct is suitable for the intended use based on the manufacturer's technical specifications.