

**Imperial**  
FLEXIBLE DUCT PRODUCTS



# 2-PLY POLYESTER AIR DUCT

**Insulated - Fiberglass Reinforced Metalized Vapor Barrier**

## Technical Data

### Codes / Standards:

UL 181 / ULC S-110 / Class 1 Air Duct

### Operating Pressure (inches water column):

Positive = 10 inches H<sub>2</sub>O (2.5 kPa) intermittent  
Positive = 6 inches H<sub>2</sub>O (1.5 kPa) continuous  
Negative = 2 inches H<sub>2</sub>O (0.5 kPa)

### Operating Temperature Range:

@ 6 inches H<sub>2</sub>O (1.5 kPa) Positive  
Minimum = -20°F (-28°C)  
Maximum = 140°F (60°C)

@ 2 inches H<sub>2</sub>O (0.5 kPa) Positive  
Minimum = -20°F (-28°C)  
Maximum = 180°F (82°C)

@ 1/2 inches H<sub>2</sub>O (0.12 kPa) Positive  
Maximum = 250°F (121°C) intermittent

### Velocity (feet per minute):

4,000 f.p.m. (20.3 m/sec)

### R-Value:

R-4.2, R-8.0

### Surface Burning Characteristics:

Maximum Flame Spread = 25  
Maximum Smoke Development = 50

### Vapor Barrier Permeance:

0.04 perm (2.3 ng / s.m<sup>2</sup>.Pa)

### Available Diameters:

3, 4, 5, 6, 7, 8, 9, 10, 12, 14 inches

### Available Lengths:

6, 10, 25 feet

The air duct is designed for wherever UL 181 and ULC S-110 standards for Class 1 Air Duct is required. The 2-ply polyester laminated inner core provides outstanding resistance and durability. The fiberglass reinforced metalized outer jacket is extremely strong and will not unravel. The air duct is suitable for use with heating, ventilation and air conditioning systems.

## Construction Materials:

Duct liner is permanently bonded to a corrosion resistant spring steel wire helix, also supporting a blanket of fiberglass insulation. Vapor barrier is an outer jacket of fiberglass reinforced metalized film laminate.

For more information on these and other quality products manufactured by Imperial, please contact :

**Imperial Manufacturing Group Inc.**  
40 Industrial Park Street  
Richibucto NB E4W 4A4  
[www.imperialgroup.ca](http://www.imperialgroup.ca)



**Imperial**  
Manufacturing Group®

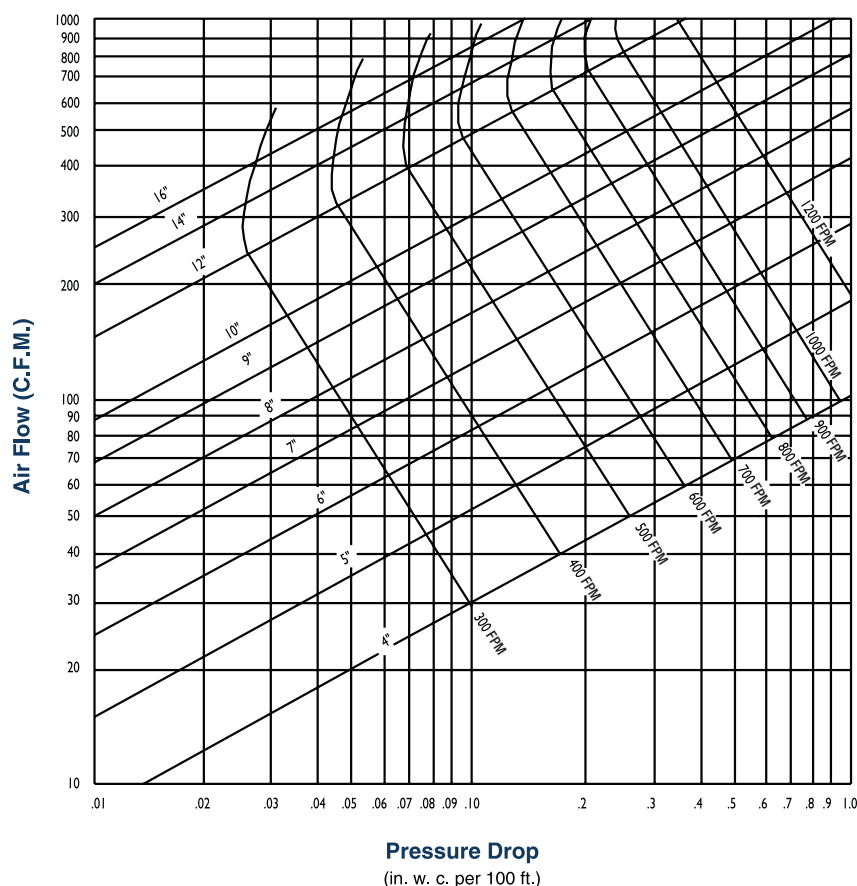
# 2-PLY POLYESTER AIR DUCT

Insulated - Fiberglass Reinforced Metalized Vapor Barrier

*Imperial*  
FLEXIBLE DUCT PRODUCTS



## PRESSURE DROP CHART



### ► 2-Ply Polyester Air Duct

SKU#	DIMENSION/DESCRIPTION	INSULATION R-VALUE
MEA-0606	6"x 6' Air Duct SILVER	4.2
MEA-0310	3"x 10' Air Duct SILVER	4.2
MEA-0410	4"x 10' Air Duct SILVER	4.2
MEA-0510	5"x 10' Air Duct SILVER	4.2
MEA-0610	6"x 10' Air Duct SILVER	4.2
MEA-0325	3"x 25' Air Duct SILVER	4.2
MEA-0425	4"x 25' Air Duct SILVER	4.2
MEA-0525	5"x 25' Air Duct SILVER	4.2
MEA-0625	6"x 25' Air Duct SILVER	4.2
MEA-0725	7"x 25' Air Duct SILVER	4.2
MEA-0825	8"x 25' Air Duct SILVER	4.2
MEA-0925	9"x 25' Air Duct SILVER	4.2
MEA-1025	10"x 25' Air Duct SILVER	4.2
MEA-1225	12"x 25' Air Duct SILVER	4.2
MEA-1425	14"x 25' Air Duct SILVER	4.2

SKU#	DIMENSION/DESCRIPTION	INSULATION R-VALUE
MEA-0325-3	3"x 25' Air Duct SILVER	8.0
MEA-0425-3	4"x 25' Air Duct SILVER	8.0
MEA-0525-3	5"x 25' Air Duct SILVER	8.0
MEA-0625-3	6"x 25' Air Duct SILVER	8.0
MEA-0725-3	7"x 25' Air Duct SILVER	8.0
MEA-0825-3	8"x 25' Air Duct SILVER	8.0
MEA-0925-3	9"x 25' Air Duct SILVER	8.0
MEA-1025-3	10"x 25' Air Duct SILVER	8.0
MEA-1225-3	12"x 25' Air Duct SILVER	8.0
MEA-1425-3	14"x 25' Air Duct SILVER	8.0