



Flex Duct Specifications

Suggested Specification:

The lightweight flexible ducting shall be Fabriflex™ Type 6M supplied by Ecosmart. The core shall be constructed of spun nylon having excellent sound attenuation characteristics and be mechanically bonded to a corrosive resistant outside metal helix. The core shall be factory wrapped with thick fiberglass insulation, sleeved with a Mylar vapor barrier and listed in accordance with UL 181 and CAN/ULC S110 and classified as Class 1 Air Duct by the manufacturer.

Material Specifications:

Core Material: Spun nylon Polyamid
Thermal Resistance: R4.2
Maximum Rated Velocity: 27.9 m/s (5500 fpm)
Maximum Positive Pressure: 1.5 kPa (6 in WC)
Maximum Negative Pressure: 1.25 kPa (5 in WC)
Temperature Range: -20°F to +250°F (-29°C to +122°C)
Bend Radius: 1 x diameter
Size: 2.5 in ID
Standard Lengths: 5 & 10 ft
UL 181 and CAN/ULC S110 Listing: Class 1 Air Duct

NOTE: This UL Class 1 product as approved by the manufacturer has a flame spread rating of not over 25 without evidence of continued progressive combustion and a smoke developed rating of not over 50.

Performance Specifications:

For 10 FT Flex Duct with Diffuser at Trunk design pressure of 0.8in WC
Pressure drop: 0.0076 in WC/Ft
CFM: 40

Branch Duct CFM Correction Factors:

Flex Duct Length	10 Ft	15 Ft	20 Ft
Correction Factor	1	0.85	0.80