

MODEL NO FLEX DUCT & FITTINGS

JOB NAME: **LOCATION:** **DATE:**
PURCHASER: **ENGINEER:**
SUBMITTED TO: **FOR:** **REVIEW ()** **APPROVAL ()**

Flex Duct Specifications

Suggested Specification:

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 fibreglass insulation, sleeved with a Mylar vapour barrier and listed in accordance with UL 181 and classified as Class 1.

Material Specifications:

CORE MATERIAL: Spun nylon Polyamid

THERMAL RESISTANCE: R4.2

MAXIMUM RATED VELOCITY: 27.9 m/s (5500 fpm)

MAXIMUM NEGATIVE PRESSURE: 1.5 kPa (6 in. WC)

TEMPERATURE RANGE: -20°F to +250°F (-29°C to +122°C)

BEND RADIUS: 1 x diameter

SIZE: 2.5" ID

STANDARD LENGTHS: 5 and 10ft

UL 181 LISTING: Class 1 Air Duct

Performance Specifications:

For 10ft Flex Duct with Diffuser at Trunk design pressure of 0.8" w.c.

PRESSURE DROP: 0.0076" w.c./ft

CFM: 40

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

Branch Duct CFM Correction Factors:

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