



CORE

- Two plies of black polyester film encapsulate a steel wire helix.
- Rated pressures (UL-181): 12 in. W.C. positive, 3/4 in. W.C. negative ($\leq 12''\phi$) & 1/2" W.C. negative ($>12''\phi$).
- Recommended maximum operating pressures (ADC Test FD 72-R1):
6 in. W.C. positive for 12 in. diameter and under.
4 in. W.C. positive for 14 in. diameter and over.
- Rated maximum air velocity: 5000 FPM.

THERMAL CHARACTERISTICS

- R-8.0 formaldehyde free insulation certified by UL and the Air Diffusion Council in accordance with ADC Flexible Duct Performance and Installation Standards using ASTM C-518 at installed wall thickness on flat insulation only.

VAPOR BARRIER

- A durable black polyethylene vapor barrier
- Perm rating of 0.1 perms when measured per ASTM E96, Method A.

SURFACE BURNING CHARACTERISTICS

- Flame Spread: Less than 25
- Smoke Developed: Less than 50

OPERATING TEMPERATURE RANGE

- 20°F to 140°F Continuous
- 20°F to 250°F Intermittent

SIZE AVAILABILITY

- Standard length: 25 feet
- Diameters offered: 4" - 10", 12", 14", 16" & 18"
- Plain ends
- F118 is boxed and FB118 is bagged

APPROVALS/COMPLIANCE

- UL-181 (UL LISTED)
- NFPA 90A & 90B
- HUD, IMC, UMC
- California Bureau of Home Furnishings
- Most Federal, State, and Local Codes and Standards.
- GREENGUARD Children & Schools
- GREENGUARD Level 4 "Highly Microbial Resistant" Rated
- CHPS
- American Schools & Hospital Facilities Product Directory

JOB NAME: _____	SUBMITTED BY: _____	DATE: 7/17/2014	SD-5013
LOCATION: _____		F118, FB118	
ARCHITECT: _____		Insulated Flexible Air Duct	
ENGINEER: _____		Class 1, R-8.0	
CONTRACTOR: _____		Polyester Core Polyethylene Vapor Barrier	