



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-6.0 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
- High tensile multi-directional fiberglass scrim is used under the vapor barrier to provide additional strength and tear resistance.
- 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" & 20"
- Plain ends
- F116 – Packaged in boxes
- FB116 – Packaged in bags

APPROVALS

- UL-181 (UL LISTED)
- NFPA 90A & 90B
- HUD
- California Bureau of Home Furnishings
- Most Federal, State, and Local Codes and Standards.

JOB NAME: _____	SUBMITTED BY: _____	DATE: 8/12/09	SD-5011
LOCATION: _____		F116, FB116 Insulated Flexible Air Duct Class 1, R-6.0 Polyester Core Polyethylene Vapor Barrier	
ARCHITECT: _____			
ENGINEER: _____			
CONTRACTOR: _____			