



THERMALLY INSULATED UL 181 CLASS 1 CERTIFIED POLYESTER FLEXIBLE AIR DUCTS

NO-CONDENSATION



ISOAFS-POLY.181

- ISOAFS-POLY.181 thermally insulated polyester flexible air ducts are specifically produced for low and medium pressure heating, cooling, ventilation, exhaust and air conditioning systems.
- Airtight ISOAFS-POLY.181 is produced from multi-layer polyester, strengthened with high tension steel spring wire, surrounded with glass wool insulation and aluminium vapour barrier.
- ISOAFS-POLY.181 is highly elastic and flexible. It can be easily fitted to circular or oval connectors.

PROPERTIES & ADVANTAGES

POLYESTER LAMINATED INNER DUCT

- High resistance to UV rays
- Resistant to chemicals
- Maintenance free

FLEXIBLE & SEAMLESS CONSTRUCTION

- Easy to store
- Easy to transport
- Low installation cost
- High resistance to wear and tear
- Airtight
- Low operation and maintenance costs

SMOOTH INNER SURFACE

- Minimum pressure loss

HIGH TENSION STEEL WIRE

- High durability
- High resistance to deformation
- Easy to install

GLASS WOOL INSULATION




- Heat resistant (Certified, EN 13501-1, Class A1)
- UL 723
(Smoke developed index = 0)
(Flame spread index = 0)
- No fiber erosion
- Minimal energy loss
- Perfect insulation property
- Non-condensing property

ALUMINIUM LAMINATED JACKET

- Difficult to ignite (Certified)
- High resistance to wear and tear
- Impermeable to UV rays
- High resistance to UV rays
- 98 % reflective
- Resistant to chemicals



TECHNICAL PROPERTIES

TYPE		ISOAFS-POLY.181
Inner Duct Construction		2 ply polyester
Nominal Thickness of Inner Duct		30 micron
Jacket Construction		1 ply aluminium / 2 ply polyester
Nominal Thickness of Jacket		45 micron
Available Diameters		Ø 82 mm - Ø 800 mm
Temperature Range		-30 °C / +120 °C
Air Velocity		30 m/s (max)
Operating Pressure		3000 Pa (max)
Insulation		Glass wool
Insulation Thickness		25 mm
Insulation Density		16 kg/m ³
Standard Length		7.6 m
Packing		Single cardboard box
FIRE CERTIFICATE		
Flame Spread Index [UL 723 as per UL 181]		< 25
Smoke Developed Index [UL 723 as per UL 181]		< 50
CERTIFICATE		
Russia		GOST-R

Available on request

- Customized lengths
- Private label
- White polyester insulation

Insulation Options Available

