

NO-CONDENSATION



ISOAFS-POLY

- ISOAFS-POLY 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 is produced from multi-layer polyester, strengthened with high tension steel spring wire, surrounded with glass wool insulation and reinforced metallized polyester vapour barrier.
- ISOAFS-POLY is highly elastic and flexible. It can be easily fitted to circular or oval connectors.

PROPERTIES & ADVANTAGES

POLYESTER LAMINATED BODY

- 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
- No-condensation

REINFORCED METALLIZED POLYESTER LAMINATED JACKET

- High resistance to wear and tear
- Impermeable to UV rays
- High resistance to UV rays
- Reflection property
- Resistant to chemicals
- Easy care



TECHNICAL PROPERTIES

TYPE	ISOAFS-POLY
Inner Duct Construction	2 ply polyester
Nominal Thickness of Inner Duct	30 micron
Jacket Construction	2 ply Metallized polyester (reinforced by polyester fiber)
Nominal Thickness of Jacket	30 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
CERTIFICATE	
Russia	 GOST-R

Available on request

- Customized lengths
- Private label
- White polyester insulation
- 38, 40 mm & 50 mm glass wool insulation
- 24 kg/m³ glass wool insulation
- PE jacket

Insulation Options Available



ALTERNATIVE CONSTRUCTIONS

PRODUCT NAME	DIFFERENCE FROM THE STANDARD TYPE
ISOAFS-POLY.M	Metallized polyester inner core
ISOAFS-POLY-R6	R 6.0 glass wool insulation
ISOAFS-POLY-R8	R 8.0 glass wool insulation
ISOAFS-POLY-W	White polyester insulation 25 mm in thickness 10 kg/m ³ in density
ISOAFS-POLY-D24	24 kg/m ³ glass wool insulation
ISOAFS-POLY.45	Nominal thickness of inner duct: 45 micron