

# Flexiva

## Meta Insulated



### A. Raw Materials

#### 1. Steel Wire

DIN	EURO	TS
DIN 17223/B	EN 10270-1-SM	TS2500-1-SM

#### 2. Metallized Polyester (Metallized Polyester for inner and outer surfaces)

**12 µm thickness Metallized Polyester is used for inner and outer surfaces of the duct.**

#### 3. Special Formulated Air Duct Glue

**Special formulated glue is used as 2 g/m<sup>2</sup>.**

#### 4. Glass Wool (Insulation Material)

**According to EN 13501-1 A1 class glass wool is used. The thickness of glass wool is 25 mm. And the density of glass wool is 16 kg/m<sup>3</sup>. R Value of the insulation is 0,69 m<sup>2</sup>.K/W**

#### 5. Jacket (Metallized Polyester for outer surface and Polyester for inner surface)

**12 µm thickness Metallized Polyester and 12 µm Polyester is used for the jacket.**

## B. Product Data

FLEXIVA META INSULATED		STANDARD
DIAMETER CHANGE	Ø76 mm - Ø610 mm	EN 13180
OPERATING TEMPERATURE	-30 °C / 80 °C	
MAXIMUM AIR VELOCITY	30 m/s	
MAXIMUM POSITIVE PRESSURE	2500 Pa (Ø356- Ø610) 5000 Pa (Ø76- Ø356)	EN 13180
MAXIMUM NEGATIVE PRESSURE	400 Pa	EN 13180
PACKAGING	10 m/box	İŞİL
END TREATMENT	10 m-PLAIN ENDS	

Intended for medium and low pressure environment. Class A according to its diameter tolerances, It has the features of being able to be stretched, twisted and compressed. Air tight (Class C according to EN 13180).

Production according to **ISO 9001:2015** and **EN 13180** standards.

## C. Performance Data

Operating Pressure: 2500 Pa (Ø356- Ø610), 5000 Pa (Ø76- Ø356) (EN 13180 Pressure Test)

## D. Installation

Air duct connections and joints shall be made per installation instructions outlined by İŞİL Mühendislik. The perfect installation should be by EXIVA, practical connector. Please contact with your sales representative for the installation instructions and the specifications of EXIVA.

Instead of EXIVA, you can use a good quality insulation tape with plastic or metallic fasteners.

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