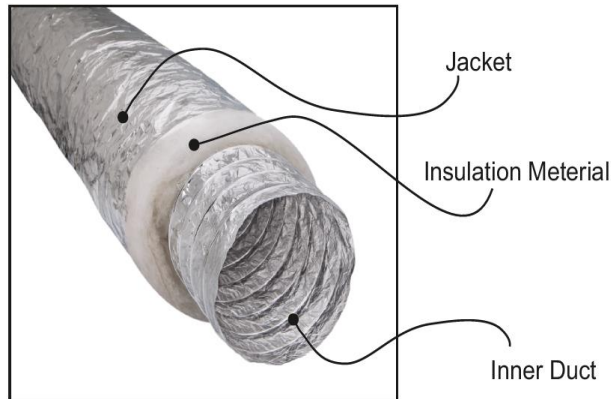


Flexiva

Sky Fiber Insulated



A. Raw Materials

1. Steel Wire

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

2. AL-PET (Aluminium + Polyester for inner duct)

Chemical composition of the alloys used for production of foil corresponds to DIN EN 573-3.

Tensile Test according to DIN EN 546-2.

7-12 μm + 7-12 μm thickness ALU+PET are used (Sky inner duct).

3. Polyester Fiber (Insulation Material)

Determination of fiber density is acc. to TS EN 29703-1, and the thickness acc. to TS EN 9073-2.

Density of Fiber (g/m^2)	Thickness of Fiber (mm)	Fire Resistance (Acc. to Demand)
250	25	STANDARD or PASSED (BS 5852: Part 2)

Flammability of fiber is tested acc. to BS 5852: Part 2. Also flammability of fiber passed M1 test acc. to French Standards. Please contact with your sales representative for the reports and certificates.

4. Jacket (Aluminium + Polyester for outer surface and Polyester for inner surface)

Chemical composition of the alloys used for production of foil corresponds to DIN EN 573-3.

Tensile test according to DIN EN 546-2 PET are used.

B. Product Data

FLEXIVA SKY FIBER INSULATED		STANDARD
DIAMETER CHANGE	Ø76 mm - Ø610 mm	EN 13180
OPERATING TEMPERATURE	-30 °C / 150 °C	BS 5852:Part 2
MAXIMUM AIR VELOCITY	30 m/s	
MAXIMUM POSITIVE PRESSURE	5000 Pa	EN 13180
MAXIMUM NEGATIVE PRESSURE	400 Pa	EN 13180
PACKAGING	10 m/box	IŞIL
END TREATMENT	10 m-PLAIN ENDS	

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

Production according to **ISO EN 9001:2018** and **EN 13180** standards.

261- 503 registered product by Ministry of environment and urban planning in Turkey.

C. Performance Data

1. Fire Resistance

The fiber insulation's fire resistance is tested according to BS 5852:Part 2, English norm.

D. Installation

Air duct connections and joints shall be made per installation instructions outlined by IŞIL 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.

TDS No: 34 Date: 21.03.2018

Revision No: 03 Revision Date: 05.04.2023

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