

Non-insulated Aluminium Flexible - NIAF



- Application:

Specifically produced for low and medium pressure heating, cooling, ventilation, exhaust and air conditioning systems.

- Material:

Produced from multi-layer aluminium and polyester, strengthened with high tension hard steel spring wire.

- Characteristic:

High elasticity and flexibility.

- Mounting:

It can be easily fitted to circular, oval or rectangular connectors.

- Certification:

The dimensions, tolerances and mechanical are tested, classified & certified according to EN 13180 standard.

Technical specification

Technical specification	Multi layer	Single layer	Multi layer PET
Fire Resistance	Difficult to ignite	Limited combustibility	Limited combustibility
Construction	2 ply aluminium	1 ply aluminium	2 ply aluminium
	1 ply polyester	1 ply polyester	2 ply polyester
Available Diameters	Ø 102	Ø 102	Ø 102
	Ø 127	Ø 127	Ø 127
	Ø 152	Ø 152	Ø 152
	Ø 160	Ø 160	Ø 160
	Ø 203	Ø 203	Ø 203
	Ø 254	Ø 254	Ø 254
	Ø 305	Ø 305	Ø 305
	Ø 315	Ø 315	Ø 315
	Ø 356	Ø 356	Ø 356
	Ø 406	Ø 406	Ø 406
	Ø 456	Ø 456	Ø 456
Ø 508	Ø 508	Ø 508	
Temperature Range	-30 C / + 140 C	-30 C / + 140 C	-30 C / + 140 C
Air Velocity	30 m/s (max)	30 m/s (max)	30 m/s (max)
Operating Pressure	3000 Pa (max)	3000 Pa (max)	3000 Pa (max)
Standard Length	10 m	10 m	Any length within 10 m
Packing	Single cardboard box	Single cardboard box	Single cardboard box

Insulated Aluminium Flexible - IAF



- Application:

Specifically produced for low and medium pressure heating, cooling, ventilation, exhaust and air conditioning systems.

- Material:

Produced from multi-layer aluminium and polyester, strengthened with high tension hard steel spring wire, sounded with glass wool insulation and an aluminium vapour barrier.

- Characteristic:

High elasticity and flexibility.

- Mounting:

It can be easily fitted to circular, oval or rectangular connectors.

- Certification:

The dimensions, tolerances and mechanical are tested, classified & certified according to EN 13180 standard.

Technical specification

Technical Properties	Multi Layer	Single Layer	Multi / Single Layer
Inner Duct Construction	2 ply aluminium	1 ply aluminium	1 or 2 ply aluminium
	1 ply polyester	1 ply polyester	1 ply polyester
Jacket Construction	1 ply aluminium	1 ply aluminium	1 ply aluminium
	1 ply polyester	1 ply polyester	1 ply polyester
Available Diameters	Ø 102	Ø 102	Ø 102
	Ø 127	Ø 127	Ø 127
	Ø 152	Ø 152	Ø 152
	Ø 160	Ø 160	Ø 160
	Ø 203	Ø 203	Ø 203
	Ø 254	Ø 254	Ø 254
	Ø 305	Ø 305	Ø 305
	Ø 315	Ø 315	Ø 315
	Ø 356	Ø 356	Ø 356
	Ø 406	Ø 406	Ø 406
	Ø 456	Ø 456	Ø 456
Ø 508	Ø 508	Ø 508	
Temperature Range	-30°C / +140°C	-30°C / +140°C	-30°C / +140°C
Air Velocity	30 m/s (max)	30 m/s (max)	30 m/s (max)
Operating Pressure	3000 Pa(max)	3000 Pa(max)	3000 Pa(max)
Insulation	Glass Wool	Glass Wool	Glass Wool
Insulation Thicknes	25 mm	25 mm	25 mm
Insulation Densitys	16 kg/m3	16 kg/m3	16 kg/m3
Standard Length	10 m	10 m	10 m
Fire Resistance	Fire Retardant	Fire Retardant	Fire Retardant
Packing	Single cardboard box	Single cardboard box	Single cardboard box