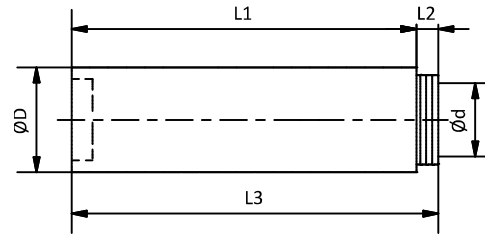


Ventilation ducts made of 15 mm thick EPP

EPP-15-SRGL



Dimensions



Description

Round ventilation duct made of expanded polypropylene (EPP). The most important features of the product are: rigid construction, low weight, easy assembly (integrated male-female coupling) and good thermal insulation. EPP ducts, used, for example, as sections of the supply and exhaust ventilation systems with heat recovery, do not require additional insulation. The system eliminates the formation of thermal bridges.

Lenght EPP ducts: 1 m sections
 Diameters: 125, 160 and 200 mm.
 Wall thickness: 15 mm

Thermal conductivity: 0,038 W / m*K
 Airtightness class: ATC2 (D) @ 90Pa
 acc. to PN-EN 17192:2019-01

Available materials:

EPP-15-SRGL-...- EPP (expanded polypropylene)

Product code example:

Product code: **EPP-15-SRGL - 160 - 0100**



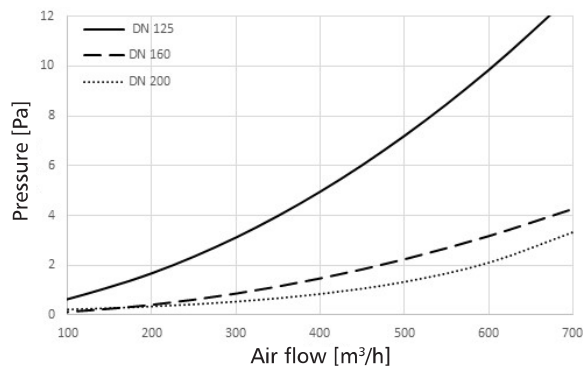
Code	Ød [mm]	ØD [mm]	L ₁ [mm]	L ₂ [mm]	L ₃ [mm]
EPP-15-SRGL-125-0100	125	155	950	50	1000
EPP-15-SRGL-160-0100	160	190	950	50	1000
EPP-15-SRGL-200-0100	200	230	950	50	1000

Ventilation ducts made of 15 mm thick EPP

EPP-15-SRGL

Technical data

Pressure loss drops of EPP-15 pipes of different diameters



Technical data according to PN-EN 17192 15 mm

Air tightness	ATC2 (D) ≤ 90 Pa ATC3 (C) ≤ 900 Pa	
Service temperature	-25°C do +80°C	PN-EN 17192:2019
Reaction to fire	D-s3,d2 (DN 125) E (DN 160,200)	190
Resistance	No deformation at 3% deflection and 35 N load	230
Thermal conductivity	$\lambda = 0,038 \text{ W/(m}\cdot\text{k)}$	PN-EN 12664:2002
Thermal resistance	$U = 0,3947 \text{ m}^2\text{K/W}$	PN-EN 12664:2002
Microbial resistance	1a	Method A PN-EN ISO 846:2019

Assembly method



45° Ventilation bend made of EPP

EPP-15-BPF-45



Description

Ventilation bends 45° made from expanded polypropylene (EPP). Bends are produced in diameters 125, 160 and 200 mm. The standard wall thickness is 15 mm. Each bend has a male-female coupling, the connection method eliminates thermal bridges.



Two 45° bends connect easily into one 90°

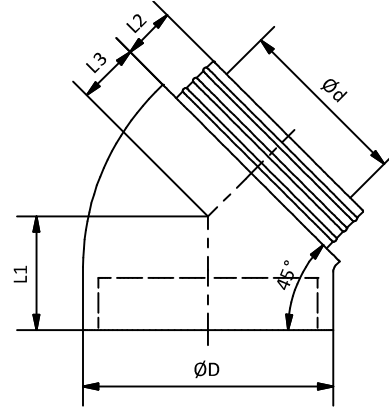
Thermal conductivity: 0,038 W / m*K
 Airtightness class: ATC2 (D) @ 90Pa
 acc. to PN-EN 17192:2019-01

Available materials:
 EPP-15-BPF-....- EPP (expanded polypropylene)

Example of marking:
 Product code: **EPP-15-BPF - aaa - bbb**

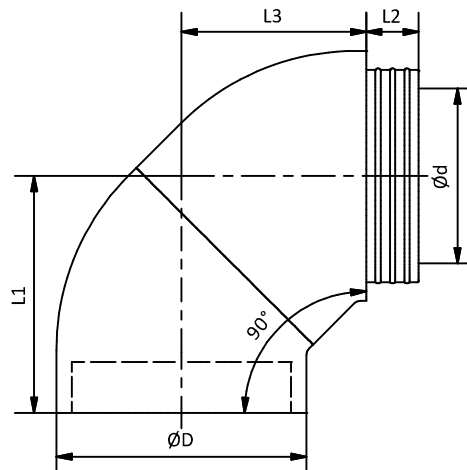
type _____
 diameter $\varnothing d$ _____
 angle _____

Dimensions



Product code	$\varnothing d$ [mm]	$\varnothing D$ [mm]	L_1 [mm]	L_2 [mm]	L_3 [mm]
EPP-15-BPF-125-45	125	155	90	50	40
EPP-15-BPF-160-45	160	190	105	50	55
EPP-55-BPF-200-45	200	230	120	50	70

Bend 90° consisting of two bends 45° - EPP-15-BPF-45



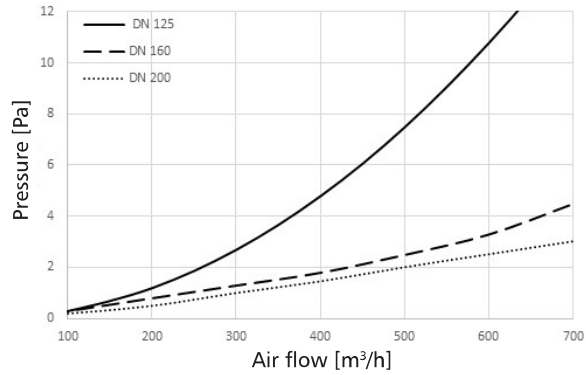
Product code	$\varnothing d$ [mm]	$\varnothing D$ [mm]	L_1 [mm]	L_2 [mm]	L_3 [mm]
2xEPP-15-BPF-125-45	125	155	182	50	132
2xEPP-15-BPF-160-45	160	190	218	50	168
2xEPP-55-BPF-200-45	200	230	255	50	205

45° Ventilation bend made of EPP

EPP-15-BPF-45

Technical data

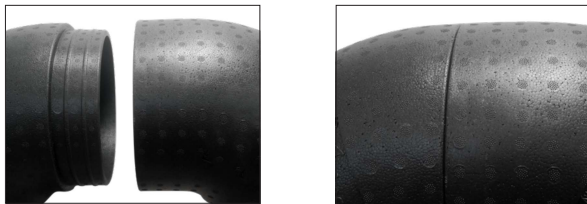
Pressure loss drops of EPP-15-BPF bends of different diameters



Technical data according to PN-EN 17192 15 mm

Air tightness	ATC2 (D) ≤ 90 Pa ATC3 (C) ≤ 900 Pa	
Service temperature	-25°C do +80°C	PN-EN 17192:2019
Reaction to fire	D-s3,d2 (DN 125) E (DN 160,200)	190
Resistance	No deformation at 3% deflection and 35 N load	230
Thermal conductivity	$\lambda = 0,038 \text{ W/(m}\cdot\text{k)}$	PN-EN 12664:2002
Thermal resistance	$U = 0,3947 \text{ m}^2\text{K/W}$	PN-EN 12664:2002
Microbial resistance	1a	Method A PN-EN ISO 846:2019

Assembly method



Female coupling made of EPP

EPP-15-MSF



Description

A female-male coupling made of expanded polypropylene (EPP) is used to connect the EPP-15 ducts, when the male part is cut off (e.g. when duct is shortened). The female coupling fits the outer diameter of the 15mm duct. The couplings are produced in 125, 160 and 200mm sizes.

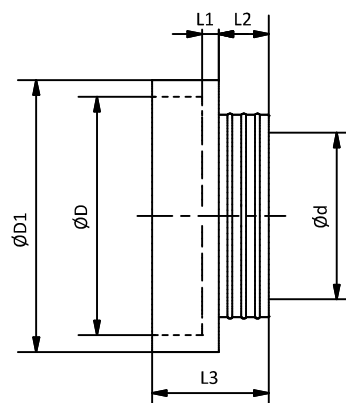
Thermal conductivity: 0.038 W / m*K
 Airtightness class: ATC2 (D) @ 90 Pa
 acc. to PN-EN 17192:2019-01

Available materials:
 EPP-15-MSF-....- EPP (expanded polypropylene)

Example of marking:
 Product code: **EPP-15-MSF - aaa**

type _____
 diameter $\varnothing d$ _____

Dimensions



Kod	$\varnothing d$ [mm]	$\varnothing D$ [mm]	L_1 [mm]	L_2 [mm]	L_3 [mm]	$\varnothing D_1$ [mm]
EPP-15-MSF-125	125	155	10	50	110	179
EPP-15-MSF-160	160	190	10	50	110	214
EPP-15-MSF-200	200	230	10	50	110	254

Technical data

Technical data according to PN-EN 17192 15mm

Air tightness	ATC2 (D) \leq 90 Pa ATC3 (C) \leq 900 Pa	
Service temperature	-25°C do +80°C	PN-EN 17192:2019
Reaction to fire	D-s3,d2 (DN 125) E (DN 160,200)	190
Resistance	No deformation at 3% deflection and 35 N load	230
Thermal conductivity	$\lambda = 0,038$ W/(m·k)	PN-EN 12664:2002
Thermal resistance	$U = 0,3947$ m ² K/W	PN-EN 12664:2002
Microbial resistance	1a	Method A PN-EN ISO 846:2019

Assembly method

