

## General information

Description	Elbow insulated EPS 125 90°
Article number	40.048.05.53
Material	EPS
Material socket	PP
Colour	Grey
Wall Thickness	15 mm
Density	45 g/l

## Application insights

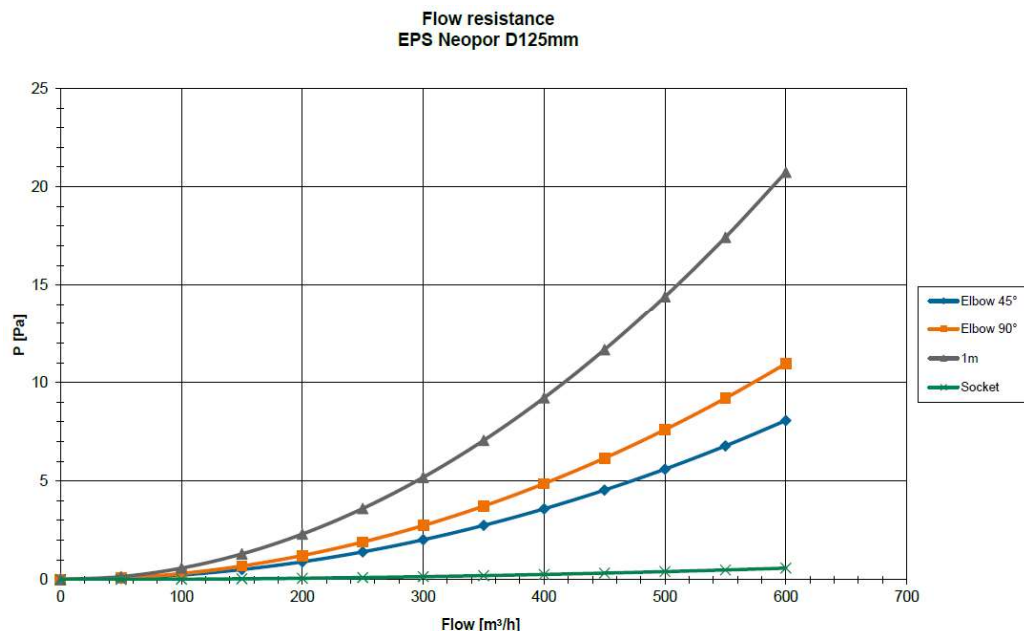
Application	Ventilation
Application use	Supply/Extract
Inner Diameter	Ø125 mm
Outer Diameter	Ø155 mm
Bend radius	90 degrees

## Technical specifications

Air tightness class	D [EN12237]
Temperature range	-25 / +80 °C
Thermal conductivity	$\lambda$ 0,032 W/(m.K)
Pressure loss	0,10 $\zeta$
Fire resistance class	E [EN 13501-1]
Maximum air flow	450 m <sup>3</sup> /h
R-Value	0,42 m <sup>2</sup> K/W

## Supply & Extract

Flow rates vs. Pressure loss



Flow rates and Velocity

Flow rate [m/s]	[m³/h]	[l/s]	Exhaust pressure loss [Pa]
1,1	50	13,9	0,1
2,3	100	27,8	0,0
3,4	150	41,7	0,1
4,5	200	55,6	1,2
5,7	250	69,4	1,9
6,8	300	83,3	2,7
7,9	350	97,2	3,7
9,1	400	111,1	4,9
10,2	450	125,0	6,2