

## Flexible plastic duct

**POAD****Description**

POLYDUCT flexible ducts are made of 30 µm multi-layered polyester. The duct structure is reinforced by a helical spring steel wire coil. The POLYDUCT is recommended for ventilation and A/C systems, as well as air heating systems. The biggest advantages of this model are a budget-level price and high mechanical strength; the duct can be always moved or rerouted when reconnecting plenum boxes, air supply diffusers or air exhaust valves.

Packaging: 10 metre sections packed in cardboard boxes.

Flexibility (winding diameter): Depends on the actual duct diameter, i.e. ca. 0.6D (mm).

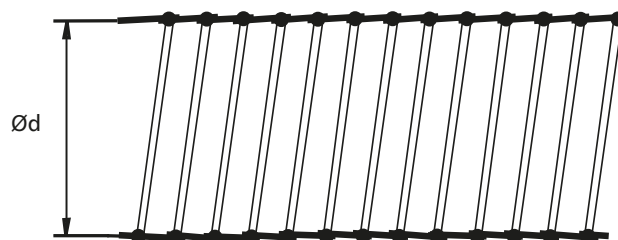
Temperature range: -30°C to +120°C

Maximum acceptable vacuum: Depending on the duct routing. For straight runs, 1/3 of the pressure transferred at the specific diameter can be taken.

**Product code example**

Product code: **POAD - aaa - bbbb**

type \_\_\_\_\_  
 Ød \_\_\_\_\_  
 lenght \_\_\_\_\_

**Dimensions**

$\text{Ø}d_{\text{nom}}$ (mm)	$\text{Ø}d_{\text{out.}}$ (mm)	Max. acceptable pressure (Pa)	Tolerance (mm)
80	82,0	3000	+ 1.5
100	102,0	3000	+ 1.5
125	127,0	3000	+ 1.5
140	140,0	3000	+ 1.5
150	152,0	3000	+ 1.5
160	160,0	3000	+ 2.0
180	185,0	3000	+ 2.0
200	203,0	3000	+ 2.0
224	229,0	3000	+ 3.0
250	254,0	3000	+ 3.0
280	280,0	3000	+ 3.0
300	305,0	3000	+ 3.0
355	356,0	3000	+ 4.0
450	457,0	3000	+ 4.0
500	508,0	3000	+ 4.0
560	560,0	3000	+ 4.0

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### Technical data

Construction:	2 ply polyester
Nominal Thickness:	30 micron
Available Diameters:	Ø 82 mm – Ø 800 mm
Temperature Range:	-30 °C / +120 °C
Air Velocity:	30 m/s (max)
Operating Pressure:	3000 Pa (max)
Packaging:	10 metre sections packed in cardboard boxes.

Pressure loss chart for POAD

