

TECHNICAL DATA SHEET

# PMAFLEX Pro - POH - Corrugated Conduit

Very flexible, medium-grade



Very flexible conduit for highest fire safety requirements



**Applications:**

- For highest fire and passenger safety requirements

**Features & Benefits:**

- Excellent fire safety characteristics
- Self-extinguishing,
- Very flexible
- Very good insulating characteristics
- Good resistance against strong acids and alkalies

**Materials:**

- Specially modified polypropylene

**Compatible with:**

- PMAFIX Pro, PMAFIX, PMA Smart Line fittings
- PMAGRIP flange
- PMA accessories

**Temperature range:**

- -25°C ... +95°C, short-term +120°C

**Conforms to:**

- BS 6853 1a (interior)

**Weathering resistance:**

- Very good UV resistance and weathering characteristics, particularly in black

**Colour:**

- Black
- Grey

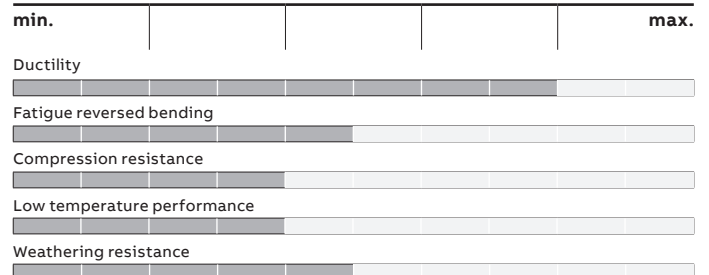
**Chemical properties:**

- Please refer to [www.pma.ch](http://www.pma.ch) (Technical Information / Chemical Resistance)

**Environmental properties:**

- Free from halogens and cadmium
- RoHS and REACH compliant

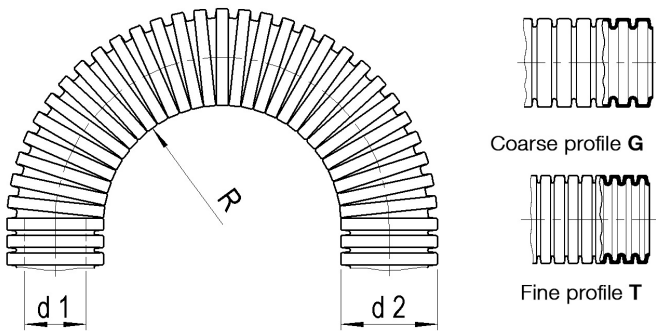
**POH-Index**



**Product selection:**

Part no.		Profile	Conduit size		rec. fitting thread size		Dimensions in mm (nom.)			Weight	Packing unit
black	grey	T/G	NW	metric	PG	metric	d1	d2	stat. R	kg/100 m	metre
POHT-10B	POHT-10S	T	10	12	9	M12 x 1.5	10.0	12.8	20	3.1	50
POHT-12B	POHT-12S	T	12	16	11	M16 x 1.5	12.3	15.6	25	4.2	50
POHG-17B	POHG-17S	G	17	20	16	M20 x 1.5	16.0	21.1	40	7.5	50
POHG-23B	POHG-23S	G	23	25	21	M25 x 1.5	22.1	28.4	50	12.0	50
POHG-29B	POHG-29S	G	29	32	29	M32 x 1.5	28.0	34.5	60	15.0	50
POHG-36B	POHG-36S	G	36	40	36	M40 x 1.5	36.4	42.4	75	19.0	30
POHG-48B	POHG-48S	G	48	50	48	M50 x 1.5	47.0	54.5	90	25.0	30
POHG-56B	POHG-56S	G	56	68	-	-	56.9	67.5	120	36.0	30
POHG-70B	POHG-70S	G	70	80	-	-	68.0	79.6	140	52.0	10
POHG-95B	POHG-95S	G	95	106	-	-	92.5	107.0	190	76.5	10

Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time



stat. R. = min. bending radius for static (fixed) installation

<b>Mechanical Properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Impact strength	> 3 J		PMA DO 9.21-4330
	class 1, > 0.5 J	(-45°C)	IEC EN 61386
Compression strength	> 140 N	(50 mm)	PMA DO 9.21-4320
	> 280 N	(100 mm)	
	class 1		IEC EN 61386
Resistance to fatigue	> 70'000 cycles		PMA DO 9.21-4420
	class 4, flexible		IEC EN 61386
<b>Pull-out resistance conduit - fitting series</b>			
PMAFIX Pro	> 200 N		PMA DO 9.21-4610
	class 1		IEC EN 61386

Note: Testing at 23°C, 50% r.h., conduit nominal width 17, unless otherwise stated  
IEC EN 61386: The values may only be considered as guidelines

<b>Thermal properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Continuous operating temp.	-25 ... +95°C		PMA DO 9.21-4510
Short-term	+120°C	(168 h)	

<b>Fire safety properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Fire performance	1a interior		BS 6853
Fire performance	V0		UL 94

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