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 TECHNICAL DATA SHEET

# PMA Smart Line - ALAD-P - Fitting

## 45°elbow, one-piece, IP66, PG thread

### PMA



One-piece, IP66 polyamide fitting for flexible non-metallic conduit



#### Applications:

- In machine building, installation and construction industries

#### Features & Benefits:

- Economical
- Easy „push-in“ installation
- Re-opening with screwdriver (for security reasons hand opening not possible)
- Space saving due to compact design
- Fits both conduit profiles - fine (T) and coarse (G)

#### Ingress protection:

- IP66 (EN/IEC 60529)

#### Materials:

- High-grade, specially formulated polyamide 6

#### Compatible with:

- PMAFLEX Pro Conduits
- PMAFLEX Multilayer Conduits
- PMAFLEX Conduits
- PMA Smart Line Conduits

#### 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)

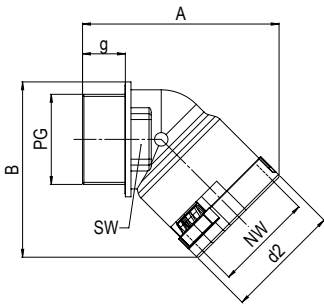
#### Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

**Product selection:**

Part no.		Thread size	Conduit size	Dimensions in mm (nom.)				Weight	Packing unit
black	grey	PG	NW	g	d2	A	B	kg/100 pcs	pcs/PU
ALAD-P090	SLAD-P090	9	10	11.0	21.5	42.5	34.0	0.6	100
ALAD-P112	SLAD-P112	11	12	11.0	25.0	47.5	40.0	0.8	100
ALAD-P132	SLAD-P132	13.5	12	11.0	25.0	47.5	41.5	0.9	100
ALAD-P137	SLAD-P137	13.5	17	11.0	31.0	54.0	46.0	1.3	100
ALAD-P167	SLAD-P167	16	17	11.0	31.0	54.0	47.0	1.3	100
ALAD-P213	SLAD-P213	21	23	12.0	39.0	63.5	57.5	2.1	50
ALAD-P299	SLAD-P299	29	29	12.0	46.0	69.5	65.0	2.8	30
ALAD-P366	SLAD-P366	36	36	13.0	56.0	81.5	80.0	4.8	20
ALAD-P488	SLAD-P488	48	48	13.0	68.0	91.5	93.0	6.9	10

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



<b>Mechanical Properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Tensile modulus	1'200 ... 3'700 N/mm <sup>2</sup>		ISO 527
Tensile strength	45 ... 65 N/mm <sup>2</sup>		ISO 527
Notched bar impact test	4 ... 20 kJ/m <sup>2</sup>		ISO 180/1C

<b>Thermal properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Continuous application temperature	-50 ... +105°C		PMA DO 9.21-4510
Upper application temperature	+120°C	(20'000 h)	PMA DO 9.21-4360
Short-term	+160°C	(168 h)	PMA DO 9.21-4360

<b>Fire safety properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Fire performance	non flame-propagating		IEC EN 61386-1
Flame class	V2		UL 94

#### Content of delivery:

- Fitting

#### Assembly instructions:

- When mounting, push-in conduit completely and then pull back slightly to ensure the locking mechanism is fully engaged
- To Disassembly: reopen with screwdriver and tiwst for easy release
- Please consider the appropriate assembly instructions on [www.pma.ch](http://www.pma.ch)

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