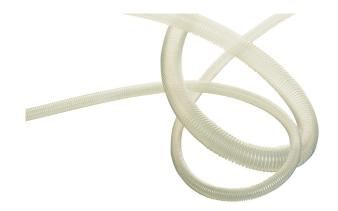


TECHNICAL DATA SHEET

# **PMAFLEX - PVD - Corrugated Conduit**

Pliable, heavy-duty

# PMA® Cable Protection



The ideal conduit for long-term high temperature requirements.





#### **Applications:**

• In machine building applications with long-term high temperature requirements as well as in the chemical and food industries

#### Features & Benefits:

- Excellent chemical resistance also at high temperatures
- Very good abrasion resistance
- · High stiffness
- · Self-extinguishing

#### Materials:

• Specially formulated polyvinylidene fluoride PVDF

# Compatible with:

• Metal fitting type - MPNK

### Temperature range:

• -60°C ... +150°C continuous

#### Weathering resistance:

• Excellent UV resistance and weathering characteristics, particularly in black

#### Colour:

- Nature
- Black (special colour)

### **Chemical properties:**

• Please refer to www.pma.ch (Technical Information / Chemical Resistance)

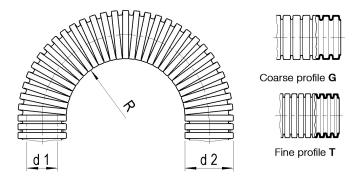
## **Environmental properties:**

- Free from cadmium
- RoHS and REACH compliant

PVD-Index							
min.							max.
Ductility	!				!	1	
Fatigue reversed	bending						
Compression res	istance						
Low temperature	perform	ance					
Weathering resistance							

Part no.		Profile	Conc	luit size		. fitting ead size	Dim	ensions in	mm (nom.)	Weight	Packing unit
nature	black	T/G	NW	metric	PG	metric	d1	d2	stat. R	kg/100 m	metre
	PVDT-07B	Т	7	10	7	M12x1.5	6.6	10.0	15	2.5	50
PVDT-10P	-	Т	10	12	9	M12x1.5	9.6	12.8	20	3.4	50
PVDT-12P	-	Т	12	16	11	M16x1.5	12.0	15.6	25	4.4	50
PVDT-17P	PVDT-17B	Т	17	20	16	M20x1.5	16.6	21.1	35	7.5	50
PVDT-23P	-	Т	23	25	21	M25x1.5	23.0	28.4	45	12.5	50
PVDT-29P	-	Т	29	32	29	M32x1.5	28.7	34.5	55	16.0	50

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

Mechanical Properties:	Value:	Test parameters:	Test method:
Impact strength	> 3 J	(+23°C)	PMA DO 9.21-4330
Compression strength	> 300 N	(50 x 50 mm)	PMA DO 9.21-4320
	> 600 N	(100 x 100 mm)	PMA DO 9.21-4320
Resistance to fatigue	> 1'500 cycles		PMA DO 9.21-4420
<u> </u>	> 3'000 cycles		PMA DO 9.21-4425
	> 5'000 cycles	(+5°C)	IEC EN 61386-23
	pliable	(-45°C)	IEC EN 61386-22
Abrasion resistance	Very good		
Stress cracking resistance	Very good		
Pull-out resistance conduit - fitting se	ries		
PMAFIX IP68	> 200 N		PMA DO 9.21-4610
PMAFIX IP66	> 150 N		PMA DO 9.21-4610
MPNK metal fitting	> 280 N		PMA DO 9.21-4610
Note: Testing at 23°C, 50% r.h., conduit	nominal width 17, unless otherwise stated		

Thermal properties:	Value:	Test parameters:	Test method:
Continuous application temperatur	e:		
At static application	−60 +150°C		PMA DO 9.21-4510
In low stress	−60 +140°C		PMA DO 9.21-4510

Fire safety properties:	Value:	Test parameters:	Test method:
Self-extinguishing	yes	•	
Free from cadmium	yes		
Fire performance	VO		UL 94
Fire performance	non flame-propagating		IEC EN 61386

