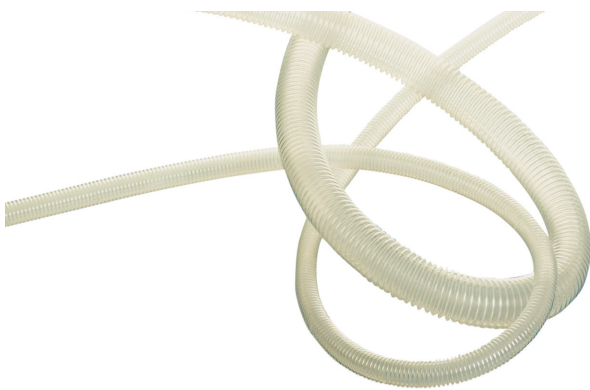


TECHNICAL DATA SHEET

PMAFLEX - PVD - Corrugated Conduit

Pliable, heavy-duty

PMA



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)

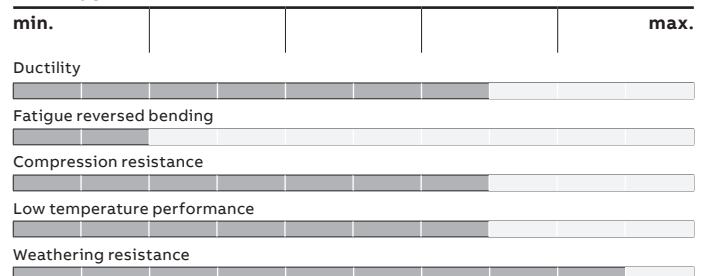
Chemical properties:

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

Environmental properties:

- Free from cadmium
- RoHS and REACH compliant

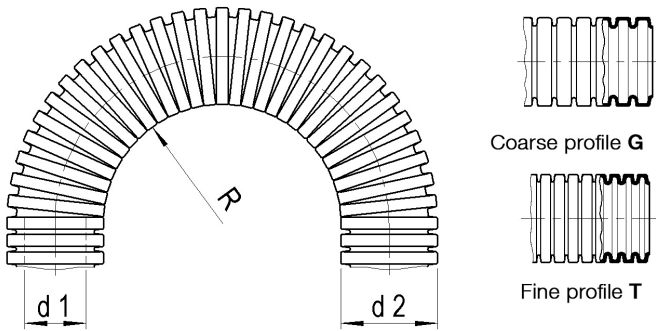
PVD-Index



Product selection:

Part no.		Profile	Conduit size		rec. fitting thread size		Dimensions in mm (nom.)			Weight	Packing unit
nature	black	T/G	NW	metric	PG	metric	d1	d2	stat. R	kg/100 m	metre
--	PVDT-07B	T	7	10	7	M12x1.5	6.6	10.0	15	2.5	50
PVDT-10P	-	T	10	12	9	M12x1.5	9.6	12.8	20	3.4	50
PVDT-12P	-	T	12	16	11	M16x1.5	12.0	15.6	25	4.4	50
PVDT-17P	PVDT-17B	T	17	20	16	M20x1.5	16.6	21.1	35	7.5	50
PVDT-23P	-	T	23	25	21	M25x1.5	23.0	28.4	45	12.5	50
PVDT-29P	-	T	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
	> 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 series			
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 temperature:			
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	V0		UL 94
Fire performance	non flame-propagating		IEC EN 61386

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