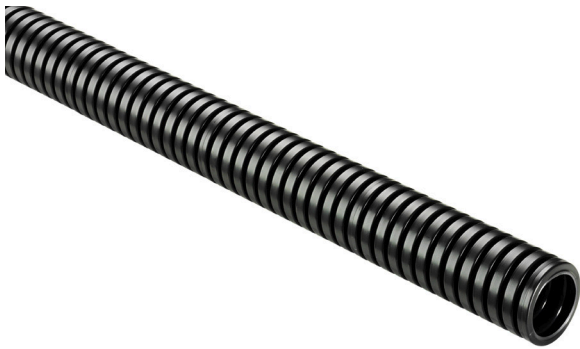


TECHNICAL DATA SHEET

PMAFLEX Pro - PHT - Corrugated Conduit

Very flexible, heavy -duty

PMA



High maximum operating temperature.
High impact resistance at very low temperatures



Applications:

- For applications at high and very low temperatures
- For dynamic applications

Features & Benefits:

- Both excellent flexibility and high compression strength
- Good impact resistance at very low temperature
- Enhanced temperature range compared to standard polyamides

Materials:

- High-grade, specially formulated polyamide elastomer

Compatible with:

- PMAFIX Pro, PMAFIX fittings
- Metal fitting type - MPNK
- PMA accessories

Temperature range:

- -50°C ... +135°C continuous, +180°C short-term

Weathering resistance:

- Very good UV resistance and weathering characteristics

Colour:

- Black

Chemical properties:

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

Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

PHT-Index

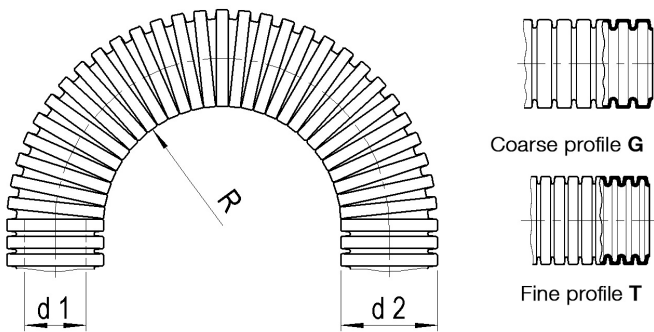
	min.									max.
Ductility	[Progressive bar from min to max]									
Fatigue reversed bending	[Progressive bar from min to max]									
Compression resistance	[Progressive bar from min to max]									
Low temperature performance	[Progressive bar from min to max]									
Weathering resistance	[Progressive bar from min to max]									

Product selection:

Part no.	Profile	Conduit size		rec. fitting thread size		Dimensions in mm (nom.)				Weight kg/100 m	Packing unit metre
		NW	metric	PG	metric	d1	d2	stat. R	dyn. R.		
PHTT-07B	T	7	10	7	M12x1.5	6.7	10.0	15	40	2.2	50
PHTT-10B	T	10	12	9	M12x1.5	9.7	12.8	20	50	2.8	50
PHTT-12B	T	12	16	11	M16x1.5	12.1	15.6	25	65	3.8	50
PHTT-14B	T	14	-	13.5	-	14.2	18.5	35	80	4.8	50
PHTT-17B	T	17	20	16	M20x1.5	16.8	21.1	35	85	5.7	50
PHTT-23B	T	23	25	21	M25x1.5	23.3	28.4	45	110	9.9	50
PHTG-17B	G	17	20	16	M20x1.5	15.6	21.1	40	85	7.5	50
PHTG-23B	G	23	25	21	M25x1.5	22.0	28.4	50	110	12.0	50
PHTG-29B	G	29	32	29	M32x1.5	27.9	34.5	60	135	15.0	50
PHTG-36B	G	36	40	36	M40x1.5	36.2	42.4	75	170	19.0	30
PHTG-48B	G	48	50	48	M50x1.5	47.3	54.5	90	220	25.0	30

T-Profile = medium-grade / Coarse-Profile = heavy-duty

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

dyn. R. = min. bending radius for dynamic (flexible) installation

Mechanical Properties:	Value:	Test parameters:	Test method:
Impact strength >NW17	min. 60 J		PMA DO 9.21-4330
Compression strength / profile G	> 250 N	(50 x 50 mm)	PMA DO 9.21-4320
	> 500 N	(100 x 100 mm)	PMA DO 9.21-4320
Compression strength / profile T	> 130 N	(50 x 50 mm)	PMA DO 9.21-4320
	> 260 N	(100 x 100 mm)	PMA DO 9.21-4320
Resistance to fatigue / profile T	> 1'000'000 cycles		PMA DO 9.21-4420
Pull-out resistance conduit - fitting series			
PMAFIX Pro	> 350 N		PMA DO 9.21-4610
PMAFIX IP68	> 300 N		PMA DO 9.21-4610
PMAFIX IP66	> 250 N		PMA DO 9.21-4610
MPNK metal fitting	> 200 N		PMA DO 9.21-4610
Thermal properties:	Value:	Test parameters:	Test method:
Continuous application temperature	-50 ... +135°C		PMA DO 9.21-4510
Upper application temperature	+150°C	(> 3000 h)	
Short-term	+180°C	(168 h)	
Fire safety properties:	Value:	Test parameters:	Test method:
Fire performance	flame-propagating		IEC EN 61386
	level 2	1kw	Burner test

