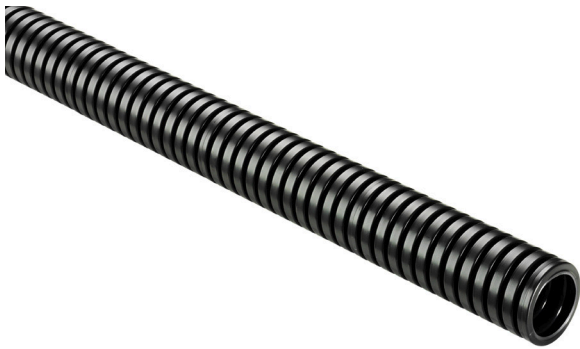


TECHNICAL DATA SHEET

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

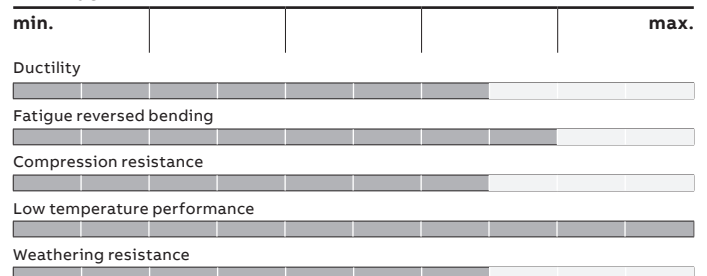
Chemical properties:

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

Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

PHT-Index

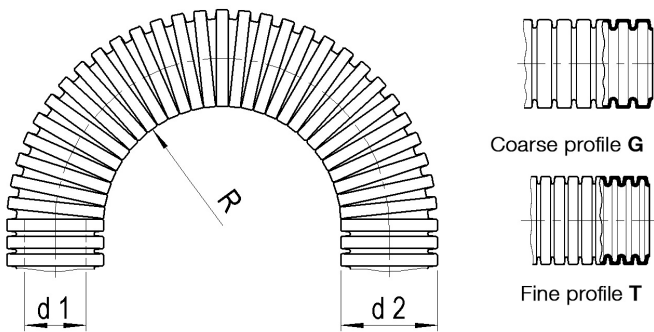


Product selection:

| 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 |

