## Plastic tubing PUN-H-6X1-TBL Part number: 8048681





## **Data sheet**

Bending radius relevant for flow rate  Inside diameter  4 mm  Min. bending radius  10 mm  TPE-U Ether based  Tubing characteristics  Operating pressure for entire temperature range  -0.95 bar.a. 6 bar -13.775 psi87 psi  Temperature-dependent operating pressure  -0.095 MPa 10 bar -13.775 psi145 psi  Information on operating pressure  Water: temperature-dependent operating pressure  Water: temperature-dependent operating pressure  Certification  German Technical Control Board (TÜV)  Certificate issuing authority  B 013277 0506 00  Operating medium  Compressed air as per ISO 8573-1:2010 [7::-]  Water (liquid, ice-free)  Water (liquid, ice-free)  Water (liquid, ice-free)  UL94 HB  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and colls  Cleanroom class  Statically installed element, no meaningful evaluation possible according to ISO 14644-1  See supplementary material information  Ambient temperature  -35 °C60 °C  Product weight by length  Po prug connection outside diameter 6 mm  For prug connection outside diameter 7 mm, with union nut  Color  Translucent blue  D 52 ±/-3	Feature	Value
A mm  Min. bending radius  Application note  TPE-U Ether based  Tubing characteristics  Operating pressure for entire temperature range  -0.95 MPa0.6 MPa -0.95 bar6 bar -13.775 psi87 psi  Temperature-dependent operating pressure  -0.95 MPa1 MPa -0.95 bar10 bar -13.775 psi145 psi  Information on operating pressure  Water: temperature-dependent operating pressure, see diagram, max. 0.3 MPa at 0 - 60 °C  German Technical Control Board (TÜV)  Certificate issuing authority  B 013277 0506 00  Operating medium  Compressed air as per ISO 8573-1:2010 [7:-:-] Water (liquid, ice-free)  Material fire test  U.94 HB  LABS (PWIS) conformity  VDMA24364-B2-L  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  Cleanroom class  Statically installed element, no meaningful evaluation possible according to ISO 14644-1  For use in the food industry  Ambient temperature  -35 °C60 °C  Product weight by length  0.0183 kg/m  Preumatic connection  For plug connection outside diameter 6 mm For plug connection outside diameter 4 mm, with union nut  Color  Translucent blue  D 52 +/-3	Outside diameter	6 mm
Min. bending radius  Application note  TPE-U Ether based  Tubing characteristics  Suitable for energy chains  Operating pressure for entire temperature range  -0.095 MPa0.6 MPa -0.95 barr6 bar -13.775 psi87 psi  Temperature-dependent operating pressure  -0.095 MPa1 MPa -0.95 barr10 bar -13.775 psi145 psi  Information on operating pressure  Water: temperature-dependent operating pressure, see diagram, max. 0.3 MPa at 0 - 60 °C  Gertification  German Technical Control Board (TÜV)  Certificate issuing authority  B 013277 0506 00  Operating medium  Compressed air as per ISO 8573-1:2010 [7:-:-] Water (liquid, ice-free)  Waters (liquid, ice-free)  Waters (liquid, ice-free)  Waters (liquid, ice-free)  Waters (liquid, ice-free)  Womau Sea	Bending radius relevant for flow rate	26 mm
Application note TPE-U Ether based Tubing characteristics Suitable for energy chains Operating pressure for entire temperature range -0.95 MPa0.6 MPa -0.95 bar6 bar -13.775 psi87 psi Temperature-dependent operating pressure -0.095 MPa1 MPa -0.95 bar10 bar -13.775 psi845 psi Information on operating pressure Water: temperature-dependent operating pressure, see diagram, max. 0.3 MPa at 0.60 °C Gertification German Technical Control Board (TÜV) Certificate issuing authority B 1013277 0506 00 Operating medium Compressed air as per ISO 8573-1:2010 [7:-:-] Water (liquid, ice-free) Water (liquid, ice-free) UL94 HB LABS (PWIS) conformity VDMA24364-B2-L Suitability for the production of Li-ion batteries Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils Cleanroom class Cleanroom class Statically installed element, no meaningful evaluation possible according to ISO 146644-1 For use in the food industry See supplementary material information Ambient temperature -35 °C60 °C Product weight by length Pneumatic connection For plug connection outside diameter 4 mm, with union nut Color Translucent blue D 52 +/-3	Inside diameter	4 mm
Tubing characteristics  Operating pressure for entire temperature range  Operating pressure for entire temperature range  Operating pressure for entire temperature range  Operating pressure  Water: temperature-dependent operating pressure, see diagram, max. Operating authority  Operating medium  Certification  German Technical Control Board (TÜV)  Certificate issuing authority  Operating medium  Compressed air as per ISO 8573-1:2010 [7:-:-]  Water (liquid, ice-free)  Compressed air as per ISO 8573-1:2010 [7:-:-]  Water (liquid, ice-free)  Water (liquid, ice-free)  Compressed air as per ISO 8573-1:2010 [7:-:-]  Water (liquid, ice-free)  Water (liquid, ice-free)  Compressed air as per ISO 8573-1:2010 [7:-:-]  Water (liquid, ice-free)  Water (liquid, ice-free)  Compressed air as per ISO 8573-1:2010 [7:-:-]  Water (liquid, ice-free)  Water (liquid, ice	Min. bending radius	10 mm
Operating pressure for entire temperature range  -0.095 MPa0.6 MPa -0.95 bar6 bar -13.775 psi87 psi  Temperature-dependent operating pressure  -0.095 MPa1 MPa -0.95 bar10 bar -13.775 psi145 psi  Information on operating pressure  Information on operating pressure  Water: temperature-dependent operating pressure, see diagram, max. 0.3 MPa at 0 - 60 °C  Certification  German Technical Control Board (TÜV)  Certificate issuing authority  B 013277 0506 00  Compressed air as per ISO 8573-1:2010 [7:-:-] Water (liquid, ice-free)  UL94 HB  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  Cleanroom class  Statically installed element, no meaningful evaluation possible according to ISO 14644-1  See supplementary material information  Ambient temperature  -35 °C60 °C  Product weight by length  O.0183 kg/m  Pneumatic connection  For parbed fitting, inside diameter 4 mm, with union nut  Color  Translucent blue  Shore hardness  D 52 +/-3	Application note	TPE-U Ether based
-0.95 bar6 bar -13.775 psi87 psi  Temperature-dependent operating pressure -0.095 MPa1 MPa -0.95 bar10 bar -13.775 psi145 psi  Information on operating pressure Water: temperature-dependent operating pressure, see diagram, max. 0.3 MPa at 0 - 60 °C Certification German Technical Control Board (TÜV)  Certificate issuing authority B 013277 0506 00  Operating medium Compressed air as per ISO 8573-1:2010 [7:] Water (liquid, ice-free)  LABS (PWIS) conformity VDMA24364-B2-L  Suitability for the production of Li-ion batteries Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  Cleanroom class Statically installed element, no meaningful evaluation possible according to ISO 14644-1  For use in the food industry See supplementary material information  Ambient temperature -35 °C60 °C  Product weight by length Pneumatic connection For plug connection outside diameter 6 mm For barbed fitting, inside diameter 4 mm, with union nut  Color Translucent blue Shore hardness D 52 +/-3	Tubing characteristics	Suitable for energy chains
-0.95 bar10 bar -13.775 psi145 psi Information on operating pressure  Water: temperature-dependent operating pressure, see diagram, max. 0.3 MPa at 0 - 60 °C  Certification  German Technical Control Board (TÜV)  Certificate issuing authority  B 013277 0506 00  Operating medium  Compressed air as per ISO 8573-1:2010 [7:-:-]  Water (liquid, ice-free)  Material fire test  UL94 HB  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  Cleanroom class  Statically installed element, no meaningful evaluation possible according to ISO 14644-1  For use in the food industry  Ambient temperature  -35 °C60 °C  Product weight by length  Pneumatic connection  For plug connection outside diameter 6 mm For barbed fitting, inside diameter 4 mm, with union nut  Color  Translucent blue  Shore hardness  D 52 +/-3	Operating pressure for entire temperature range	-0.95 bar6 bar
O.3 MPa at 0 - 60 °C Certification German Technical Control Board (TÜV) Certificate issuing authority B 013277 0506 00 Compressed air as per ISO 8573-1:2010 [7:-:-] Water (liquid, ice-free) Material fire test UL94 HB LABS (PWIS) conformity VDMA24364-B2-L Suitability for the production of Li-ion batteries Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils Cleanroom class Statically installed element, no meaningful evaluation possible according to ISO 14644-1 For use in the food industry See supplementary material information Ambient temperature -35 °C60 °C Product weight by length Pneumatic connection For plug connection outside diameter 6 mm For barbed fitting, inside diameter 4 mm, with union nut Color Translucent blue Shore hardness D 52 +/-3	Temperature-dependent operating pressure	-0.95 bar10 bar
Certificate issuing authority  Departing medium  Compressed air as per ISO 8573-1:2010 [7:-:-]  Water (liquid, ice-free)  Material fire test  UL94 HB  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  Cleanroom class  Statically installed element, no meaningful evaluation possible according to ISO 14644-1  For use in the food industry  See supplementary material information  Ambient temperature  -35 °C60 °C  Product weight by length  Pneumatic connection  For plug connection outside diameter 6 mm For barbed fitting, inside diameter 4 mm, with union nut  Color  Translucent blue  Shore hardness  D 52 +/-3	Information on operating pressure	
Compressed air as per ISO 8573-1:2010 [7:-:-] Water (liquid, ice-free)  Material fire test  UL94 HB  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  Cleanroom class  Statically installed element, no meaningful evaluation possible according to ISO 14644-1  For use in the food industry  See supplementary material information  Ambient temperature  -35 °C60 °C  Product weight by length  O.0183 kg/m  Pneumatic connection  For plug connection outside diameter 6 mm For barbed fitting, inside diameter 4 mm, with union nut  Color  Translucent blue  Shore hardness  D 52 +/-3	Certification	German Technical Control Board (TÜV)
Water (liquid, ice-free)  Material fire test  UL94 HB  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  Cleanroom class  Statically installed element, no meaningful evaluation possible according to ISO 14644-1  For use in the food industry  See supplementary material information  Ambient temperature  -35 °C60 °C  Product weight by length  O.0183 kg/m  Pneumatic connection  For plug connection outside diameter 6 mm For barbed fitting, inside diameter 4 mm, with union nut  Color  Translucent blue  Shore hardness  D 52 +/-3	Certificate issuing authority	B 013277 0506 00
LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  Cleanroom class  Statically installed element, no meaningful evaluation possible according to ISO 14644-1  For use in the food industry  See supplementary material information  Ambient temperature  -35 °C60 °C  Product weight by length  O.0183 kg/m  Pneumatic connection  For plug connection outside diameter 6 mm For barbed fitting, inside diameter 4 mm, with union nut  Color  Translucent blue  Shore hardness  D 52 +/-3	Operating medium	
Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  Cleanroom class  Statically installed element, no meaningful evaluation possible according to ISO 14644-1  For use in the food industry  See supplementary material information  Ambient temperature  -35 °C60 °C  Product weight by length  O.0183 kg/m  Pneumatic connection  For plug connection outside diameter 6 mm For barbed fitting, inside diameter 4 mm, with union nut  Color  Translucent blue  Shore hardness  D 52 +/-3	Material fire test	UL94 HB
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according to ISO 14644-1  For use in the food industry  Ambient temperature  -35 °C60 °C  Product weight by length  Pneumatic connection  For plug connection outside diameter 6 mm For barbed fitting, inside diameter 4 mm, with union nut  Color  Translucent blue  Shore hardness  D 52 +/-3	Suitability for the production of Li-ion batteries	from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and
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Product weight by length  O.0183 kg/m  For plug connection outside diameter 6 mm For barbed fitting, inside diameter 4 mm, with union nut  Color  Translucent blue  Shore hardness  D 52 +/-3	For use in the food industry	See supplementary material information
Pneumatic connection  For plug connection outside diameter 6 mm For barbed fitting, inside diameter 4 mm, with union nut  Color  Translucent blue  Shore hardness  D 52 +/-3	Ambient temperature	-35 °C60 °C
For barbed fitting, inside diameter 4 mm, with union nut  Color Translucent blue  Shore hardness D 52 +/-3	Product weight by length	0.0183 kg/m
Shore hardness D 52 +/-3	Pneumatic connection	
	Color	Translucent blue
Note on materials RoHS-compliant	Shore hardness	D 52 +/-3
	Note on materials	RoHS-compliant

Feature	Value
Material of pneumatic tubing	TPE-U(PU)