

PNEUMATIC TUBE PEX

Polyethylene PEX

toppi

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- PEX is a high density cross linked polyethylene HDPE.
- PEX tubing is widely used in pneumatic instrumentation and equipment due to its good durability and easy installation.
- Check the pressure/temperature values to assure the suitability of the quality.
- Widely used in multitube cables.
- Good heat and chemical resistance
- Not suitable to pure or chlorinated hydrocarbons.

MECHANICAL PROPERTIES AND TECHNICAL DATA

	Value	Unit	Test method
Density	0,942	g/cm ³	ASTM D-792
Tensile Strength	20	Mpa	ASTM D-638
Elastic Modulus	670	MPa	ISO R527 @23 °C
Elongation at break	400	%	

Bending radius	mm, minimum values at 20 °C (see chart).		
Temperature range	mounting temperature	-30°C...+60°C	
	working temperature	-40°C...+80°C (see pressure/temperature chart).	
Dimensions	Outer diameter 6,0 mm...10,0 mm x inner diameter 4,0 mm...8,0 mm.		
Colors	Black-red		
Chemical resistance	Good chemical resistance in pressures especially against gases and liquids.		

Working pressure (bar), safety factor 3										Weighth g/m	Bending radius min. mm
Dimension mm				Temperature °C							
outer	tol.	inner	tol.	20	40	60	80	100			
6,0	± 0,10	4,0	± 0,20	26	18	13	8	6	16,5	36	
8,0	± 0,10	6,0	± 0,20	19	13	9	6	4	23,1	50	
10,0	± 0,15	7,0	± 0,30	23	16	11	7	5	42,1	60	
10,0	± 0,10	8,0	± 0,20	14	10	7	4	3	29,7	80	

All specifications are subject to change without notice.