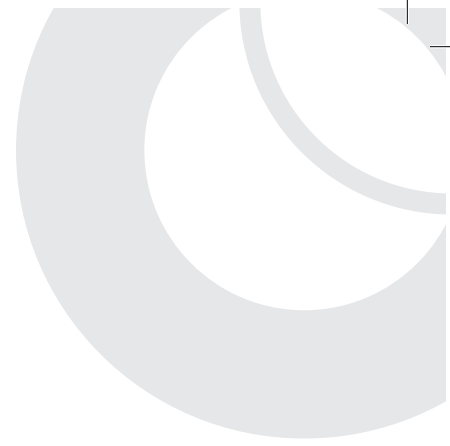


CO-POLYESTER (TPC-ET) C.MECH



C.MECH tubes are produced using a special co-polyester compound. C.MECH tubes fully comply with ISO 7628-2010 standards. C.MECH tubes are offering are an alternative to PA12 or PA11 tubes with some use restrictions regarding pressure and type of fittings. Based on customer requirements, other C.MECH tubes can be developed.

 NR Black Exclusively black tube

∅ External mm	∅ Internal mm	Thickness mm	C.MECH		STANDARD
			Bend radius	Burst pressure at 23°C in bar*	ISO 7628
6	4	1	30	108	•
8	6	1	40	78	•
10	8	1	60	60	•
12	9	1.5	60	78	•
15	12	1.5	90	60	•

* Referred to the nominal diameter of the product Other sizes upon request

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CO-POLYESTER (TPC-ET) C.MECH



MARKING Our standard marking is:

ISO 7628	-	CAT.0	-	12x1.5mm	-	TPC-ET	-	C.MECH	-	04002154-18-177-19:30
▼		▼		▼		▼		▼		▼
Standard		Product category		External ø for thickness		Raw material		Product name		Batch number

USE TEMPERATURE

C.MECH tubes have been type-approved according to **ISO 7628-2010** standard.

The **ISO 7628-2010** standard classifies the tube resistance to pressure according to the temperature using some categories.

The following tables show the tube resistance:

TOLERANCES

The tolerances on external diameter, according to **ISO 7628-2010**, are:

External diameter from 6 mm to 10 mm ± 0.1 mm
External diameter from 12 mm to 15 mm ± 0.15 mm

Upon special request tubes with narrow tolerances.

TUBE CATEGORY FOR AIR BRAKING SYSTEMS

Category	Maximum operating pressure in bar	Minimum temperature	Maximum temperature
0	10	-40°C	80°C
1	10	-40°C	100°C
2	12.5	-40°C	100°C
3	12.5	-40°C	125°C

BURST PRESSURE ASSOCIATED WITH THE USE CLASS

Test temperature	Maximum operating pressure in bar	Burst pressure in bar
23°C	10 - 12.5	>40 >50
80°C	10	>25
100°C	10 - 12.5	>25 >31.5
125°C	12.5	>25

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