

POLYAMIDE 10.12

C.PRO

C.PRO tubes are produced with a very innovative bio-sourced polymer named polyamide 1012 (PA1012). Developed to overcome PA12 and PA11 chronic shortage, C.PRO tubes comply fully with ISO 7628-2010 standard and fulfill the requirements of DIN 73378 and 74324. Widely used in the automotive sector since years, C.PRO tubes show similar characteristics to PA12 or PA11 with excellent resistance to impact at -70°C and very good behavior above 125°C.

 NT Natural
  NR Black
  BL Blue
  RO Red
  GI Yellow
  VE Green

Other colours upon request

Ø External mm	Ø Internal mm	Thickness mm	Minimum bend radius mm	PA10.12			STANDARD
				PHL	PHLY	HL	
				Burst pressure at 23°C in bar*			ISO 7628
4	1	2	20	147	180	267	•
6	1	4	30	88	108	160	•
8	1	6	40	63	77	114	•
9	1.5	6	45	88	108	160	•
10	1	8	60	49	60	89	•
10	1.25	7.5	60	63	77	114	•
11	1.5	8	60	69	85	126	•
12	1.5	9	60	63	77	114	•
14	2	10	75	73	90	133	•
15	1.5	12	90	49	60	89	•
16	2	12	95	63	77	114	•
18	2	14	100	55	68	100	•
19	2	15	150	52	64	94	•

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

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MARKING Our standard marking is:

ISO 7628	-	CAT.1	-	8x1mm	-	PA1012PHL	-	C.PRO	-	07001485-18-134-14:51
▼		▼		▼		▼		▼		▼
Standard		Product category		External diameter for thickness		Raw material		Product name		Batch number

USE TEMPERATURE

C.PRO 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 4 mm to 10 mm \pm 0.1 mm
External diameter from 11 mm to 20 mm \pm 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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