

**TUBI
TUBINGS
TUBES
SCHLÄUCHE**



PA 12, PA 6, PA 6.6, PA 12 HR, PU, LDPE, P.T.F.E.

POLIAMMIDE 12 (PA12)

TUBI FLESSIBILI

Temperatura di Impiego: da -40°C a +100°C
Durezza: 64 Shore D
Il tubo è fornito in rotoli da 100 mt.
Colori disponibili:
Neutro, Blu, Giallo, Rosso, Verde, Nero

POLYAMIDE 12 (PA12)

FLEXIBLE TUBINGS

Working temperature: -40°C to +100°C.
Hose Hardness: 64 Shore D
Rolls: 100 mt.
Colours available: Neutral, Blue, Yellow, Red, Green, Black

POLYAMIDE 12 (PA12)

TUBES FLEXIBLES

Température d'exercice: -40°C jusqu'à +100°C.
Dureté: 64 Shore D
Rouleaux: 100 mètres.
Couleurs disponibles: neutre, bleu, jaune, rouge, vert, noir

POLYAMID 12 (PA12)

FLEXIBLE SCHLÄUCHE

Temperaturbereich: -40°C bis +100°C.
Schlauchhärte: 64 Shore D
Rollenlänge: 100 mt.
Farben: Neutral, Blau, Gelb, Rot, Grün, Schwarz

Variatione % della Pressione in funzione della temperatura
Pressure variation (%) in relation with temperature change
Variation (%) de la pression en fonction du changement de la température:
Druckschwankungen (%) im Verhältnis mit Temperaturänderungen

20°C	100%
40°C	85%
60°C	60%
80°C	40%
100°C	35%

Dimensioni-Sizes Diamètre-Durchmesser

Ø e (mm)	Ø i (mm)
4	2
4	2,5
5	3
6	4
8	6
10	8
12	10

Peso Weight Poids Gewicht	(gr/mt) (gr/mt) (gr/mt) (gr/mt)	Raggio di curvatura Bend radius Rayon de Courbure Biegeradius	(mm) (mm) (mm) (mm)
9,51		20	
7,73		25	
13,19		25	
15,86		35	
22,2		40	
28,54		60	
34,89		85	

Pressione a 20°C - Pressure at 20°C Pression à 20°C - Druck bei 20°C

Esercizio-Working (bar) Travail-Druckbereich (bar)	Scoppio-Bursting point (bar) Point d'éclatement-Berstpunkt (bar)
56	167
38	115
33	100
33	100
24	71
19	56
15	45

POLIURETANO ELASTOLLAN® C98(PU)

TUBI FLESSIBILI

Caratteristica principale del tubo in poliuretano è l'estrema flessibilità che si traduce nella possibilità di realizzare raggi di curvatura molto stretti. Sensibili all'idrolisi e ai raggi UV, i tubi in PU a base estere vengono usati principalmente per il passaggio dell'aria compressa.
Temperatura di Impiego: da -40°C a +60°C.
Durezza: 49-55 Shore D
Il tubo è fornito in rotoli da 100 mt.
Colori disponibili: Neutro, Giallo, Verde, Rosso, Nero, Blu

POLYURETHANE ELASTOLLAN® C98(PU)

FLEXIBLE TUBINGS

Polyurethane Elastollan C98 major feature is the high flexibility that allows for very narrow hose radius if needed by the application. All ester base PU hoses are sensitive to hydrolysis and UV rays hence primarily recommended for air compressed applications.
Working temperature: -40°C to +60°C.
Hose Hardness: 49-55 Shore D
Rolls: 100 mt.
Colours available: Neutral, Yellow, Red, Green, Black, Blue.

POLYURÉTHANE ELASTOLLAN® C98(PU)

TUBES FLEXIBLES

Offrant une extrême flexibilité, ce tube permet de réaliser des rayons de courbure très étroits. Sensible à l'hydrolyse et au rayon UV, le tube en PU à base estère est employé surtout dans le domaine de l'air comprimé. Température de travail: -40°C jusqu'à +60°C
Dureté: 49-55 Shore D
Rouleaux: 100 mètres.
Couleurs disponibles: Neutre, bleu, jaune, rouge, vert, noir

POLYURETHAN ELASTOLLAN® C98(PU)

FLEXIBLE SCHLÄUCHE

Die Haupteigenschaft von Polyurethan ist die höchste Schlauchflexibilität, die sehr schmale Biegeradius ermöglicht. Zur Hydrolyse und UV Strahlen empfindlich, wird PU Esterbaseschlauch hauptsächlich für Anwendung mit Druckluft empfohlen.
Temperaturbereich: -40°C bis +60°C.
Schlauchhärte: 49-55 Shore D
Rollenlänge: 100 mt.
Farben: Neutral, Blau, Gelb, Rot, Grün, Schwarz.

Variatione % della Pressione in funzione della temperatura
Pressure variation (%) in relation with temperature change
Variation (%) de la pression en fonction du changement de la température:
Druckschwankungen (%) im Verhältnis mit Temperaturänderungen

20°C	100%
30°C	83%
40°C	72%
50°C	64%
60°C	47%

Dimensioni-Sizes Diamètre-Durchmesser

Ø e (mm)	Ø i (mm)
4	2
4	2,5
5	3
6	4
8	6
10	8
12	9

Peso Weight Poids Gewicht	(gr/mt) (gr/mt) (gr/mt) (gr/mt)	Raggio di curvatura Bend radius Rayon de Courbure Biegeradius	(mm) (mm) (mm) (mm)
11,12		20	
9,03		20	
14,82		25	
18,53		30	
25,94		40	
33,35		50	
58,36		50	

Pressione a 20°C - Pressure at 20°C Pression à 20°C - Druck bei 20°C

Esercizio-Working (bar) Travail-Druckbereich (bar)	Scoppio-Bursting point (bar) Point d'éclatement-Berstpunkt (bar)
22	67
15	46
17	50
13	40
10	29
7	22
10	29

POLIAMMIDE 6 (PA6)

TUBI FLESSIBILI

Temperatura di Impiego: da -10°C a +80°C.
Durezza: 85 Shore D
Il tubo è fornito in rotoli da 100 mt.
Colori disponibili: Neutro, Giallo, Verde, Rosso, Nero, Blu

POLYAMIDE 6 (PA 6)

FLEXIBLE TUBINGS

Working temperature: -10°C to +80°C.
Hose Hardness: 85 Shore D
Rolls: 100 mt.
Colours available: Neutral, Yellow, Green, Red, Black, Blue

POLYAMIDE 6 (PA 6)

TUBES FLEXIBLES

Température de travail: -10°C jusqu'à +80°C.
Dureté: 85 Shore D
Rouleaux: 100 mètres.
Couleurs disponibles: Neutre, Jaune, Vert, Rouge Noir, Bleu

POLYAMID 6 (PA6)

FLEXIBLE SCHLÄUCHE

Temperaturbereich: -10°C bis +80°C.
Schlauchhärte: 85 Shore D
Rollenlänge: 100 mt.
Farben: Neutral, Blau, Gelb, Rot, Grün, Schwarz

Variatione % della Pressione in funzione della temperatura
Pressure variation (%) in relation with temperature change
Variation (%) de la pression en fonction du changement de la température:
Druckschwankungen (%) im Verhältnis mit Temperaturänderungen

20°C	100%
30°C	83%
40°C	72%
50°C	64%
60°C	57%
70°C	52%
80°C	47%

Dimensioni-Sizes Diamètre-Durchmesser

Ø e (mm)	Ø i (mm)
4	2
4	2,5
5	3
6	4
8	6
10	8
12	10
14	12
15	12,5

Peso Weight Poids Gewicht	(gr/mt) (gr/mt) (gr/mt) (gr/mt)	Raggio di curvatura Bend radius Rayon de Courbure Biegeradius	(mm) (mm) (mm) (mm)
10,64		25	
8,65		30	
14,19		30	
17,74		45	
24,84		65	
31,93		80	
39,03		100	
46,13		100	
60,98		140	

Pressione a 20°C - Pressure at 20°C Pression à 20°C - Druck bei 20°C

Esercizio-Working (bar) Travail-Druckbereich (bar)	Scoppio-Bursting point (bar) Point d'éclatement-Berstpunkt (bar)
56	167
38	115
42	125
33	100
24	71
19	56
15	45
13	38
15	45

POLIAMMIDE 6.6 (PA6.6)

TUBI FLESSIBILI

Particolarmente idoneo per il passaggio di olio e grasso
Temperature di Impiego: da 0°C a +100°C.
Durezza: 96 Shore D
Il tubo è fornito in rotoli da 100 mt.
Colori disponibili: Neutro

POLYAMIDE 6.6 (PA6.6)

FLEXIBLE TUBINGS

This tube is suitable for oil and grease applications .
Working temperature: 0°C to +100°C.
Hose Hardness: 96 Shore D
Rolls: 100 mt.
Colour Available: Neutral

POLYAMIDE 6.6 (PA6.6)

TUBES FLEXIBLES

Le Polyamide 6.6 est un tube conseillé pour le passage de l'huile et du gras.
Température de travail: 0°C jusqu'à +100°C.
Dureté: 96 Shore D
Rouleaux: 100 mètres.
Couleurs disponibles: Neutre

POLYAMID 6.6 (PA6.6)

FLEXIBLE SCHLÄUCHE

Dieser Schlauch ist besonders für Anwendungen mit Öl und Fett geeignet.
Temperaturbereich: 0°C bis +100°C.
Schlauchhärte: 96 Shore D
Rollenlänge: 100 mt.
Farben: Neutral

Variatione % della Pressione in funzione della temperatura
Pressure variation (%) in relation with temperature change
Variation (%) de la pression en fonction du changement de la température:
Druckschwankungen (%) im Verhältnis mit Temperaturänderungen

Dimensioni-Size Diamètre-Durchmesser

Peso (gr/mt)
Weight (gr/mt)
Poids (gr/mt)
Gewicht (gr/mt)

Raggio di curvatura (mm)
Bend radius (mm)
Rayon de Courbure (mm)
Biegeradius (mm)

Pressione a 20°C -Pressure at 20°C Pression à 20°C- Druck bei 20°C

Esercizio-Working (bar)
Travail-Druckbereich (bar)

Scoppio-Bursting point (bar)
Point d'éclatement-Berstpunkt (bar)

20°C	100%
40°C	85%
60°C	60%
80°C	40%
100°C	30%

Ø e (mm)	Ø i (mm)	Peso (gr/mt)	Raggio di curvatura (mm)	Esercizio-Working (bar)	Scoppio-Bursting point (bar)
4	1,5	12,20	35	136	409
6	3	24	45	100	300

POLIETILENE (LDPE)

TUBI FLESSIBILI

Temperature di Impiego: da -10°C a +60°C.
Durezza: 46 Shore D
Il tubo è fornito in rotoli da 100 mt.
Colori disponibili: neutro, rosso, giallo, blu, verde, nero e azzurro

LD POLYETHYLENE (LDPE)

FLEXIBLE TUBINGS

Working temperature -10°C a +60°C.
Hose Hardness: 46 Shore D
Rolls: 100 mt.
Colours available: Neutral, red, yellow, blue, green, black, light blue

POLYÉTHYLÈNE (LDPE)

TUBES FLEXIBLES

Température de travail: -10°C jusqu'à +60°C.
Dureté: 46 Shore D
Rouleaux: 100 mètres.
Couleurs disponibles: rouge, jaune, bleu, vert, noir et bleu clair

POLYETHYLEN (LDPE)

FLEXIBLE SCHLÄUCHE

Temperaturbereich: -10°C bis +60°C.
Schlauchhärte: 46 Shore D
Rollenlänge: 100 mt.
Farben: Neutral, Rot, Gelb, Blau, Grün, Schwarz und Blau

Variatione % della Pressione in funzione della temperatura
Pressure variation (%) in relation with temperature change
Variation (%) de la pression en fonction du changement de la température:
Druckschwankungen (%) im Verhältnis mit Temperaturänderungen

Dimensioni-Size Diamètre-Durchmesser

Peso (gr/mt)
Weight (gr/mt)
Poids (gr/mt)
Gewicht (gr/mt)

Raggio di curvatura (mm)
Bend radius (mm)
Rayon de Courbure (mm)
Biegeradius (mm)

Pressione a 20°C -Pressure at 20°C Pression à 20°C- Druck bei 20°C

Esercizio-Working (bar)
Travail-Druckbereich (bar)

Scoppio-Bursting point (bar)
Point d'éclatement-Berstpunkt (bar)

20°C	100%
30°C	83%
40°C	72%
50°C	64%
60°C	57%

Ø e (mm)	Ø i (mm)	Peso (gr/mt)	Raggio di curvatura (mm)	Esercizio-Working (bar)	Scoppio-Bursting point (bar)
4	2	8,69	18	21	63
4	2,5	7,06	20	15	44
5	3	11,58	25	16	48
6	4	14,48	30	13	38
8	6	20,27	40	9	27
10	7	36,91	60	11	34
12	9	45,60	65	9	27
12	10	31,85	80	6	17
14	11	54,28	80	8	23
15	12,5	49,76	100	6	17

P.T.F.E.

TUBI FLESSIBILI

È utilizzato quando l'alta temperatura è abbinata ad ambienti di lavoro aggressivi e critici, ha un'ottima resistenza ai prodotti chimici, ottime proprietà dielettriche e rimane inalterato a contatto con ossigeno, ozono e raggi ultra-violetti.
Temperature di impiego: -60°C to +260°C.
Durezza: 60 Shore D
Resistenza alla fiamma: UL 94 V0
Il tubo è fornito in rotoli da 50 mt.
Colori disponibili: Neutro

P.T.F.E.

FLEXIBLE TUBINGS

P.T.F.E tube is recommended with high temperatures and critical, aggressive environments.
It offers great resistance to chemicals and it has high dielectric properties. P.T.F.E is subject to no variations in contact with oxygen, ozone, and Ultraviolet rays
Working temperature: -60°C to +260°C.
Hose Hardness: 60 Shore D
Flame resistance: UL 94 V0
Rolls: 50 mt.
Colour available: Neutral

P.T.F.E.

TUBES FLEXIBLES

La caractéristique de ce tube est l'haute résistance à la température ainsi que aux agents chimiques.
Il offre des propriétés diélectriques optimales et il ne change pas à contact avec l'oxygène, l'ozone et les rayons ultraviolets.
Température de travail: -60°C jusqu'à +260°C.
Dureté: 60 Shore D
Résistance à la flamme: UL 94 V0
Rouleaux: 50 mètres.
Couleur disponible: Neutre

P.T.F.E.

FLEXIBLE SCHLÄUCHE

PTFE Schlauch ist temperaturfest und gegen nahezu alle Chemikalien beständig daher für aggressive Umgebungen und hohe Temperaturen besonders geeignet. Dieser Schlauch bietet sehr gute dielektrische Eigenschaften und bleibt in Berührung mit Sauerstoff, Ozon und Ultraviolettstrahlen unverändert.
Temperaturbereich: -60°C bis +260°C.
Schlauchhärte: 60 Shore D
Flammwidrigkeit: UL 94 V0
Rollenlänge: 50 mt.
Farben: Neutral

Dimensioni
Sizes
Diamètre
Durchmesser

Tolleranza
Tolerance
Tolérance
Toleranz

Parete
Wall
Cloison
Wanddicke

(mm)
(mm)
(mm)
(mm)

Tolleranza
Tolerance
Tolérance
Toleranz

Ø e (mm)

Raggio di curvatura
Bend radius
Rayon de Courbure
Biegeradius

(mm)
(mm)
(mm)
(mm)

Esercizio-Working (bar)
Travail-Druckbereich (bar)

Pressione a 20°C -Pressure at 20°C Pression à 20°C- Druck bei 20°C

Scoppio-Bursting point (bar)
Point d'éclatement-Berstpunkt (bar)

Peso
Weight
Poids
Gewicht

(gr/mt)
(gr/mt)
(gr/mt)
(gr/mt)

Dimensioni Sizes Diamètre Durchmesser	Tolleranza Tolerance Tolérance Toleranz	Parete Wall Cloison Wanddicke	(mm) (mm) (mm) (mm)	Tolleranza Tolerance Tolérance Toleranz	Ø e (mm)	Raggio di curvatura Bend radius Rayon de Courbure Biegeradius	(mm) (mm) (mm) (mm)	Esercizio-Working (bar) Travail-Druckbereich (bar)	Scoppio-Bursting point (bar) Point d'éclatement-Berstpunkt (bar)	Peso Weight Poids Gewicht	(gr/mt) (gr/mt) (gr/mt) (gr/mt)
4x2	2	±0,10	1	±0,20	4	20	27	27	81	22	
6x4	4	±0,15	1	±0,20	6	35	18	18	54	37	
8x6	6	±0,20	1	±0,20	8	40	14	14	42	51	
10x8	8	±0,30	1	±0,20	10	60	12	12	36	66	
12x10	10	±0,30	1	±0,20	12	85	10	10	30	80	

POLIAMMIDE 12 HR (PA12 HR)**TUBI FLESSIBILI**

Temperature di Impiego: da -40°C a +80°C

Il tubo è fornito in rotoli da 100 mt.

Colori disponibili: Nero

POLYAMIDE 12 HR (PA12 HR)**FLEXIBLE TUBINGS**

Working temperature: -40°C to +80°C.

Rolls: 100mt.

Colours available: Black

POLYAMIDE 12 HR (PA12 HR)**TUBES FLEXIBLES**

Température d'exercice: -40°C jusqu' à +80°C.

Rouleaux: 100 mètres.

Couleurs disponibles: noir

POLYAMID 12 HR (PA12 HR)**FLEXIBLE SCHLÄUCHE**

Temperaturbereich: -40°C bis +80°C.

Rollenlänge: 100 mt.

Farben: Schwarz

Variazione % della Pressione in funzione della temperatura Pressure variation (%) in relation with temperature change Variation (%) de la pression en fonction du changement de la température: Druckschwankungen (%) im Verhältnis mit Temperaturänderungen		Dimensioni-Sizes Diamètre-Durchmesser		Peso (gr/mt) Weight (gr/mt) Poids (gr/mt) Gewicht (gr/mt)	Raggio di curvatura (mm) Bend radius (mm) Rayon de Courbure (mm) Biegeradius (mm)	Pressione a 20°C -Pressure at 20°C Pression à 20°C- Druck bei 20°C		
		Ø e (mm)	Ø i (mm)			Esercizio-Working (bar) Travail-Druckbereich (bar)	Scoppio-Bursting point (bar) Point d'éclatement-Berstpunkt (bar)	
-10°C	120%	1/4	6,35	3,6	20,28	50	90	275
0°C	110%	3/8	9,52	5	53	80	87	261
20°C	100%							
30°C	83%							
40°C	72%							
50°C	64%							
60°C	52%							
80°C	47%							

POLYAMIDE 12



FLEXIBLE TUBING

Limited humidity absorption, great dimensional stability at high temperatures and good chemical resistance are the major features of the C.MATIC Polyamide 12, highly recommended for all standard industrial applications.

Working temperature: from -40°F up to +212°F
 Vacuum rating: To 28" Hg
 Hardness: 64 Shore D
 Working Pressure: 4 to 1 Safety Factor
 Water absorption: 1%
 Diameter Tolerances: +/- .002

Pressure variation (%) in relation with temperature change	Part Number	Diameter			Pressure at 75°F	
		OD (in)	ID (in)	Bend Radius (in)	Working pressure (psi)	Bursting point (psi)
68°F 100%	28010000-colour	1/8	.093	.375	264	1058
104°F 85%	28010010-colour	5/32	.106	.500	348	1392
140°F 60%	28010030-colour	1/4	.180	.875	293	1174
176°F 40%	28010040-colour	5/16	.232	1.250	268	1073
212°F 35%	28010050-colour	3/8	.275	1.500	279	1116
	28010060-colour	1/2	.375	2.000	257	1029

Reel length: 100 feet.

Colours available: Neutral (N), Blue (B) and Black (BK) on stock. Other colours available upon request.

POLYURETHAN 95 DUROMETER



FLEXIBLE TUBING

C.MATIC ether based Polyurethan resists attack with moisture, humidity and fungus. It is highly abrasion and UV resistant. Its flexibility allows for assemblies in reduced spaces and for very narrow bending radius and makes of our Polyurethan 95 one of the most popular choices.

Working temperature: from -40°F up to +140°F.
 Vacuum rating: To 28" Hg
 Hardness: 95 Shore A
 Working Pressure: 3 to 1 Safety Factor
 Diameter Tolerances: +/- .003

Pressure variation (%) in relation with temperature change	Part Number	Diameter			Pressure at 75°F	
		OD (in)	ID (in)	Bend Radius (in)	Working pressure (psi)	Bursting point (psi)
68°F 100%	28060000-colour	1/8	.0625	1/4	256	768
86°F 83%	28060010-colour	5/32	3/32	3/8	193	580
104°F 72%	28060030-colour	1/4	.160	1/2	169	507
122°F 64%	28060040-colour	5/16	.216	3/4	140	420
140°F 47%	28060050-colour	3/8	.245	7/8	164	493
	28060060-colour	1/2	.320	1 1/8	169	507

Reel length: 100 feet.

Colours available: Neutral (N), Blue (B) and Black (BK) on stock. Other colours available upon request.

POLYAMIDE 12 HR (PA12 HR)



FLEXIBLE TUBINGS

Working temperature: from -40°F up to 176°F.
 Working Pressure: 3 to 1 Safety Factor
 Reel length: 328 feet (100 mt.)
 Colours available: Black

Pressure variation (%) in relation with temperature change	Part Number	Diameter			Pressure at 75°F	
		OD (in)	ID (in)	Bend Radius (in)	Working pressure (psi)	Bursting point (psi)
14°F 120%	08130030-N	1/4	.142	1.969	1305	3741
32°F 110%	08130050-N	3/8	.197	3.150	1261	3785
68°F 100%						
86°F 83%						
104°F 72%						
122°F 64%						
140°F 52%						
176°F 47%						

PA11 and PTFE tubings available upon request.