

THE COLEX PNEUMATIC RANGE

EXTRAFLEXIBLE NYLON

7099575 9680

PRODUCT: COLEX EXTRAFLEXIBLE NYLON

WALL: LIGHT/MEDIUM

COLOUR: NATURAL

OD MM	ID MM	Wkg Pressure		Bend Radius MM#	Std Coil Metres	Weight KGS/ 30M	COLEX PART NO.
		PSI	BAR				
4	2.5	232	16	7	30	0.23	NXM4/25*
5	3	261	18	9	30	0.38	NXM5/3
6	4	203	14	11	30	0.48	NXM6/4*
8	5.5	188	13	20	30	0.80	NXM8/55
8	6	145	10	30	30	0.67	NXM8/6*
10	7	174	12	25	30	1.22	NXM10/7
10	8	116	8	40	30	0.86	NXM10/8*
12	9	145	10	42	30	1.50	NXM12/9*
12	10	87	6	58	30	1.05	NXM12/10

* Available in black, blue, red, green, yellow

For use as a guide only

MATERIAL

Colex International's new range of Extraflexible Nylon is further proof of the company's intent to consolidate its position as a major supplier to the European Pneumatics industry. Although Extra or Superflexible Nylon has been available for some time, there were inherent problems with the stability of the materials available. The tube would often stiffen and become sticky and unpleasant to work with. This was due to the plasticisers that are used to give the tube its increased flexibility leaching out. In extreme cases this could lead to a loss of up to 35% of the plasticiser resulting in a sharp decline in physical properties of the tubing.

However recent advances in materials technology have lead to the development of more sophisticated plasticisers resulting in the availability of very stable materials. Because of these advancements Colex now believe they can offer a product that because of its long term stability is ideally suited to today's demanding pneumatics market place.

As a result a range of Extraflexible Nylon is now available from stock.

FEATURES & BENEFITS

- * Lightweight - approximately 10% lighter than polyurethane.
- * Very flexible - more flexible than standard nylon.
- * Easy to handle and cut and can be preformed
- * Heat & light stabilised.
- * Manufactured to engineering tolerances.

APPLICATIONS

- * Pneumatic controls
- * Instrumentation systems
- * Industrial robotics
- * Fuel & oil lines
- * Compressed air
- * Paint spray & solvent lines.

PRESSURES

Values given are based on the short-term burst pressure of nylon at 20C using a safety factor of 4:1.

NOTE: Any increase in temperature above 20C will result in a decline in working pressure values

TEMPERATURES

- 35C to +70C

Occasional use: up to 120C

Brittle Temperature: -70C

CHEMICAL RESISTANCE

Resistant to most solvents, alkalis, oils greases, petroleum products, moulds and dilute acids (mineral and organic).

For more detailed information please contact the Colex sales office.