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## Metric Flexible Nylon Tube (PA12) for Pneumatic Systems



Our **Metric Flexible Nylon Tube (NMF)** is expertly engineered for a wide range of industrial and pneumatic applications. Crafted from high-quality **PA12 nylon**, this flexible nylon tubing offers exceptional durability and flexibility. Ideal for pneumatic controls, oil and fuel lines, petrol tank breather pipes, greasing sheaths, bleed lines, brake controls, and lubrication systems.

### Key Features:

- **High-Quality Material:** Manufactured from robust PA12 nylon for reliable, long-lasting performance in demanding environments.
- **Wide Range of Colours:** Available in natural and 11 vibrant colours—including blue, black, red, green, yellow, purple, pink, brown, grey, and orange—to suit your specific needs.
- **Metric Sizes:** Offered in sizes from 1.5mm inner diameter (ID) to 28mm outer diameter (OD), conforming to BS5409 standards. Standard coil lengths are 30m and 100m, with other lengths available upon request.
- **Flexible and Durable:** Provides excellent flexibility without compromising strength, suitable for various industrial applications.
- **Seamless Bore:** The mirror-smooth, seamless bore ensures optimal flow rates and reduces the risk of blockages.
- **Chemical and Temperature Resistance:** Highly resistant to oils, fuels, and a wide range of chemicals. Operates effectively in temperatures from -40°C to +80°C, with intermittent use up to +110°C.
- **Professional Finish:** Unprinted for a clean appearance, with printing available upon request to meet your branding or identification requirements.
- **Standards and Certifications:** Complies with BS5409, S.M.M.T C2C, SAE J1394 (Type A), SAE J844 (Type A), DIN 73378, DIN 74323, DIN 74324 (Parts 1 & 2), ISO-TC 22SC/2, ISO 7628, and certified to UL 94 HB and REACH.

## Applications:

Our **Metric Flexible Nylon Tubing** is suitable for a variety of applications, including:

- **Pneumatic Systems:** Ideal for pneumatic controls and instrument lines requiring flexible tubing.
- **Automotive Fuel and Oil Lines:** Durable and resistant to fuels and oils, making it suitable for automotive applications.

- **Brake and Bleed Lines:** Provides reliable performance in brake control systems.
- **Lubrication Systems:** Perfect for greasing sheaths and lubrication lines, ensuring efficient flow.
- **Industrial Machinery:** Suitable for use in various industrial equipment requiring flexible and durable tubing.
- **Petrol Tank Breather Pipes:** Ensures effective ventilation in petrol tanks.
- **Chemical Handling:** Resistant to many chemicals, suitable for laboratory and industrial chemical transfer applications.

## Why Choose Our Metric Flexible Nylon Tubing?

Our Metric Flexible Nylon Tubing offers exceptional quality and reliability for all your pneumatic and industrial needs. Engineered to meet stringent standards, it delivers optimal performance even in challenging conditions. Whether you require flexible nylon tubing for pneumatic systems, automotive uses, or other industrial applications, our PA12 nylon tubes provide an excellent solution tailored to your specific requirements.

**Contact us today** to learn more about how our Metric Flexible Nylon Tubing can benefit your projects.

Specification	Details
Product Code	NMF
Material	Flexible, plasticized, high-viscosity Polyamide 12 (PA12) Nylon

<b>Specification</b>	<b>Details</b>
<b>Available Sizes</b>	Ranges from 1.5mm I.D. to 28mm O.D. in metric sizes
<b>Standard Coil Lengths</b>	30m coils (stocked), 100m coils (stocked), 500m drums (stocked), 1000m drums (6mm stocked, rest to order)
<b>Colors Available</b>	Natural, Black, Blue, Red, Green, Yellow (stocked) and Purple, Pink, Brown, Grey, Orange (to order)
<b>Operating Temperature</b>	-40°C to +80°C (intermittently up to +110°C)
<b>Chemical Resistance</b>	High resistance to oil, fuel, and chemicals
<b>Bore Type</b>	Mirror-smooth (seamless) for good flow rates
<b>Dimensions Standard</b>	Metric dimensions conform to BS5409
<b>Features</b>	Unprinted tubing, produced to exacting tolerances
<b>Compliance Standards</b>	BS 5409 (Parts 1 & 2), S.M.M.T C2C, SAE J1394 (Type A), SAE J844 (Type A), DIN 73378, DIN 74323, DIN 74324 (Parts 1 & 2), ISO-TC 22SC/2, ISO 7628
<b>Certifications</b>	UL 94 HB, REACH
<b>Temperature Range</b>	-40°C to +80°C, intermittently up to +110°C
<b>Printing</b>	Unprinted. Printing on request.
<b>Applications</b>	Oil lines, fuel lines, petrol tank breather pipes, greasing sheaths, pneumatic controls, bleed lines, brake controls, lubrication lines

Part	O.D.mm	I.D.mm	Wall mm	W.P.bar	B.P.bar	Bend mm	Mass g/m	Stock
NMF-3x1.5-30	3	1.5	0.75	44	132		5.4	Stock
NMF-4x2-30	4	2	1	44	132		9.6	Stock
NMF-4x2.5-30	4	2.5	0.75	33	99	10	7.8	Stock
NMF-4x3-30	4	3	0.5	21	63	16	5.6	Stock
NMF-5x2-30	5	2	1.5	53	159		16.8	Stock
NMF-5x3-30	5	3	1	35	105	12	12.8	Stock
NMF-5x3.3-30	5	3.3	0.85	30	90	13	11.3	Stock
NMF-6x3-30	6	3	1.5	44	132		21.6	Stock
NMF-6x4-30	6	4	1	29	87	16	16	Stock
NMF-6x4.5-30	6	4.5	0.75	21	63	24	12.6	Stock
NMF-8x5-30	8	5	1.5	33	99		31.3	Stock
NMF-8x5.5-30	8	5.5	1.25	27	81	25	27	Stock
NMF-8x6-30	8	6	1	21	63	32	22.4	Stock
NMF-9x6-30	9	6	1.5	29	87		36.1	Stock
NMF-10x7-30	10	7	1.5	26	78	33	40.9	Stock
NMF-10x7.5-30	10	7.5	1.25	21	63	39	35.1	Stock
NMF-10x8-30	10	8	1	16	48	50	28.8	Stock
NMF-11x8-30	11	8	1.5	23	69		45.7	Stock
NMF-12x8-30	12	8	2	29	87		64.1	Stock
NMF-12x8.5-30	12	8.5	1.75	26	78		57.5	Stock
NMF-12x9-30	12	9	1.5	21	63	47	50.5	Stock
NMF-12x9.5-30	12	9.5	1.25	16	48		43.1	Stock
NMF-12x10-30	12	10	1	13	39	70	35.3	Stock
NMF-13x10-30	13	10	1.5	19	57		55.3	Stock
NMF-14x10-30	14	10	2	25	75		76.9	Stock
NMF-14x11-30	14	11	1.5	17	51	68	60.1	Stock
NMF-15x11-30	15	11	2	23	69		83.3	Stock

Part	O.D. <i>mm</i>	I.D. <i>mm</i>	Wall <i>mm</i>	W.P. <i>bar</i>	B.P. <i>bar</i>	Bend <i>mm</i>	Mass <i>g/m</i>	Stock
NMF-15x12-30	15	12	1.5	16	48	75	64.9	Stock
NMF-16x12-30	16	12	2	21	63	85	89.7	Stock
NMF-16x13-30	16	13	1.5	14	42	100	69.7	Stock
NMF-18x14-30	18	14	2	18	54		102.6	Stock
NMF-20x16-30	20	16	2	16	48		115.4	Stock
NMF-22x17-30	22	17	2.5	18	54	140	156.2	Stock
NMF-25x20-30	25	20	2.5	16	48	200	180.3	Stock
NMF-28x22-30	28	22	3	17	51	140	240.4	Stock

## Contact Information

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