

Robust AirTM



THERMOPLASTIC TUBES





INTRODUCTION

Since its establishment in 2012, Robust Air has been a prominent supplier of air and gas solutions throughout India. Specializing in turnkey supply of Air and Gas equipment, we are committed to engineering excellence and customer satisfaction. Our expertise lies in designing and implementing on-site systems for the continuous supply of high-purity gases and compressed air.

At Robust Air, quality is our top priority. We meticulously select the finest quality components for our products, ensuring superior performance and reliability. Leveraging our manufacturing facilities in India, we offer cost-effective solutions without compromising on quality.

Trusted by reputed companies nationwide, Robust Air has earned a reputation for reliability and innovation in the industry. Our focus on customer satisfaction and our track record of delivering innovative solutions have contributed to our success.

Moving forward, we remain dedicated to innovation and excellence, continuously striving to meet the evolving needs of our customers. With our unwavering commitment to quality and customer satisfaction, Robust Air is poised to maintain its position as a leader in the air and gas solutions industry.



THERMOPLASTIC TUBES

Discover the Versatility of Thermoplastics

Thermoplastics, a versatile family of polymers, find wide-ranging industrial applications due to their durability, lightweight nature, and cost-effectiveness. With the ability to undergo repeated melting and recasting, thermoplastics offer unparalleled flexibility in manufacturing processes. Once heated, they can be easily moulded or extruded into a diverse array of shapes, solidifying upon cooling.

Essential Qualities for High-Quality Thermoplastic Tube Extrusion:

1. **Precision Extrusion Setup:** Achieve consistent tube dimensions and properties through meticulous calibration of the extrusion setup, ensuring precise control over temperature, pressure, and speed.
2. **Quality Raw Material:** Experience top-tier tube coating solutions with our premium raw materials sourced from trusted suppliers. Our selection includes **COVESTRO 3354 D**, **Wanda 1198**, **Coim TPU** Granules for flexibility and durability, **Gujlon Polyamide 6** for strength and heat resistance, **PA12** raw material for longevity and reliability, and **high-quality PVC Granules** for effective anti-spatter coating.
3. **Experienced Extrusion Staff:** Rely on skilled personnel with extensive experience in operating extrusion equipment, capable of optimizing process parameters and troubleshooting issues effectively.
4. **Effective Quality Control:** Implement rigorous quality control measures throughout the extrusion process to detect and prevent defects, ensuring the consistency and reliability of the final product.
5. **Support:** Access technical expertise and support from equipment suppliers, material manufacturers, and industry professionals to address challenges and optimise extrusion operations for maximum efficiency and success.

Embrace the potential of thermoplastics for your tube extrusion needs, supported by the essential qualities outlined above for unparalleled quality and performance.

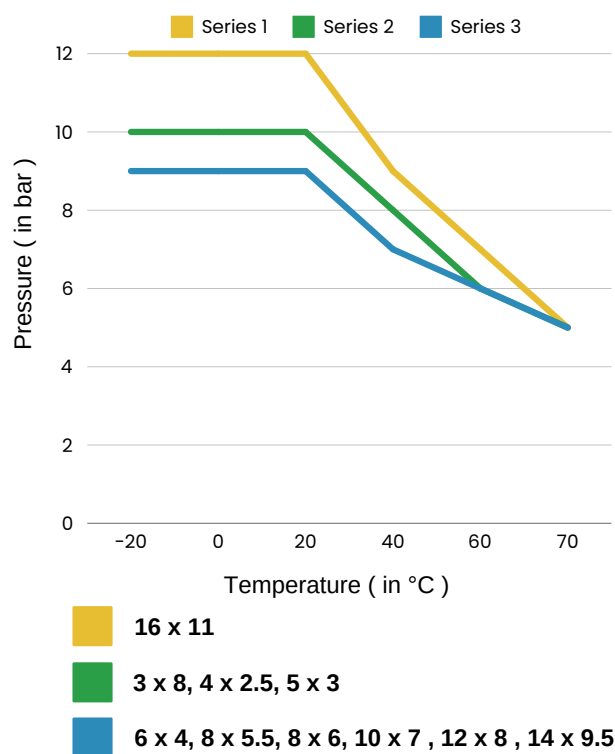
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PU TUBES

Discover the efficiency of PU tubes, boasting excellent mechanical properties and a significantly smaller bending radius compared to PA6 tubes, resulting in nearly 50% space savings. Ideal for pneumatic circuits, these tubes offer a working pressure range from **Vacuum to 15 bar**, ensuring versatile performance across various applications. With a working temperature range of **-20°C to +70°C** and a hardness of **52 Shore D**, PU tubes provide durability and flexibility in demanding environments. Trust in **Robust AirTM** PU tubes for compact, reliable, and efficient pneumatic solutions.



Outer Diameter (OD) (in mm)	Inner Diameter (ID) (in mm)	Bend Radius (in mm)
3	1.8	8.00
4	2.5	10.00
5	3	13.00
6	4	15.00
8	5.5	20.00
8	6	20.00
10	7	25.00
12	8	35.00
14	9.5	45.00
16	11	45.00



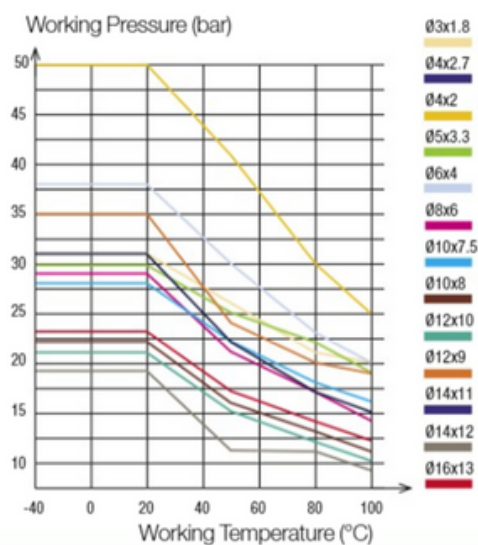
TUBE OD	TOLERANCE
3 mm to 8 mm	± 0.1 mm
10 mm to 16 mm	± 0.15 mm

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PA6 TUBES

Explore the robust performance of PA6 tubes, designed for pneumatic circuits with higher pressure requirements than PU tubes. While PA6 offers lesser flexibility compared to PU, it provides extended operating pressure and temperature ranges. With a working pressure range from **Vacuum to 50 bar** and a wide temperature range of **-40°C to +100°C**, PA6 tubes excel in demanding environments. Featuring a hardness of **65 Shore D**, PA6 tubes offer durability and reliability for various industrial applications. Trust in **Robust AirTM** PA6 tubes for resilient pneumatic solutions in challenging conditions.

Outer Diameter (OD) (in mm)	Inner Diameter (ID) (in mm)	Bend Radius (in mm)
3	1.8	6.00
4	2	10.00
4	2.7	10.00
5	3.3	15.00
6	4	15.00
8	6	25.00
10	7.5	42.00
10	8	50.00
12	9	47.00
12	10	90.00
14	11	80.00
14	12	116.00
16	13	90.00



TUBE OD	TOLERANCE
3 mm to 5 mm	+ 0.05 / - 0.08 mm
10 mm to 16 mm	+ 0.05 / - 0.10 mm



Why Choose Us ?

- **Quality:** At our core, we prioritise quality above all else. Understanding the expectations of our customers, we are dedicated to delivering products that meet the highest standards of excellence.
- **On-Time Delivery:** With approximately 60% spare capacity and plans to double our extrusion capacity in the next two months, we are well-equipped to ensure timely deliveries. Situated in a well-connected locality in Delhi, our extensive experience in supply chain management and production guarantees punctual delivery to our customers.
- **Competitive Pricing:** Our commitment to quality does not come at the expense of affordability. We maintain competitive pricing while upholding the highest standards of quality in our products.
- **Commitment:** We take our commitments seriously, whether it's regarding delivery, quality, or pricing. With a strong sense of dedication, we strive to fulfill our promises to our customers, ensuring their satisfaction with every interaction.

THANK YOU

At ROBUST AIR, a proud brand of K.B. Polytech Pvt. Ltd., we are dedicated to engineering excellence and customer satisfaction. As leading manufacturers, suppliers, and dealers, we specialize in providing premium quality products and comprehensive solutions for all your compressed air needs. From our industry-renowned Compressed Air Aluminium Piping to advanced Desiccants/Heatless Dryers, PSA Nitrogen/Oxygen Plants, and Reciprocating Compressors, each product embodies our commitment to innovation and quality. Additionally, our offerings include Air Receivers, Line Filters, PU Fittings, and Auto Drain Valves, meticulously designed to integrate seamlessly into your operations. Backed by a skilled team and a dedication to exceeding expectations, ROBUST AIR is poised to optimize system performance, enhance productivity, and improve operational efficiency. Experience the ROBUST AIR difference today and elevate your compressed air solutions to new heights of excellence.

Contact Us



+91-9871395567, +91-8814888394



Plot No. 181, Sector 16, HSIIDC,
Bahadurgarh, Haryana -124507



sales1@kbpbgh.com

www.robustair.in