



**GITA MARKETING CO.**

TECHNICAL DATA SHEET

# TDS RUBBER HOSE SOLUTIONS

EPDM / NBR Industrial Hose | Steam | Welding | Compressed Air

## **Gita Marketing Co.**

Spl Plot No-4, NGEF Industrial Estate,  
Off Whitefield Road, Mahadevapura, Bangalore - 560048  
[www.gitamarketing.com](http://www.gitamarketing.com)

Issued 2026



## RUBBER HOSE SOLUTIONS

### Technical Data Sheet

Gita Marketing Co. supplies a range of rubber hoses for general industrial, steam, welding gas, and compressed air applications. Inner tube compounds are selected to match the service medium -- EPDM for steam, hot water, and ozone-resistant service; NBR for oil and fuel contact; SBR for general compressed air and water. All products are sourced from Polyhose India Pvt Ltd.

### Type 1 -- General Industrial Rubber Hose (EPDM/SBR)

<b>Inner Tube</b>	EPDM or SBR rubber -- smooth bore, water and air resistant
<b>Reinforcement</b>	One or two layers of textile braid or spiral
<b>Cover</b>	EPDM or SBR -- black, smooth, weather and ozone resistant
<b>Sizes</b>	12.5 mm to 75 mm ID
<b>Working Pressure</b>	6 to 15 bar depending on bore size and construction
<b>Temperature</b>	-30 degrees C to +80 degrees C continuous
<b>Applications</b>	Compressed air lines, water supply, general fluid transfer, drainage
<b>Fluid Compatibility</b>	Water, air, mild aqueous solutions -- not suitable for oils or fuels

### Type 2 -- Steam Hose (EPDM)

<b>Inner Tube</b>	EPDM rubber -- heat and steam resistant
<b>Reinforcement</b>	Multiple textile braid or wire braid layers
<b>Cover</b>	EPDM -- heat, ozone, and weather resistant
<b>Sizes</b>	12.5 mm to 51 mm ID
<b>Working Pressure</b>	Up to 17.5 bar (saturated steam)
<b>Temperature</b>	Up to approximately +165 degrees C for steam service
<b>Standard</b>	BS EN ISO 6134 -- Rubber and plastics hoses for saturated steam
<b>Applications</b>	Steam distribution, autoclave connections, cleaning stations, process steam lines
<b>Safety Note</b>	Always de-pressurise and cool before disconnecting. Use swivel joints at connection points.

### Type 3 -- Welding Gas Hose (NR/SBR)

<b>Inner Tube</b>	NR (natural rubber) or SBR -- gas-tight bore
<b>Reinforcement</b>	Single textile braid





<b>Cover</b>	SBR -- oil, weather, and abrasion resistant
<b>Sizes</b>	6.3 mm and 9.5 mm ID (standard welding sizes)
<b>Working Pressure</b>	Up to 20 bar
<b>Temperature</b>	-20 degrees C to +60 degrees C
<b>Colour Coding</b>	Red -- acetylene / fuel gas   Blue -- oxygen   Orange -- LPG
<b>Standard</b>	BS EN ISO 3821 -- Rubber hoses for welding, cutting, and allied processes
<b>Applications</b>	Oxy-acetylene welding, LPG cutting, oxygen lines in fabrication shops

### Type 4 -- Compressed Air Hose (SBR/NBR)

<b>Inner Tube</b>	SBR or NBR rubber -- air and oil-mist resistant
<b>Reinforcement</b>	Single or double textile braid
<b>Cover</b>	SBR -- black, smooth, abrasion resistant
<b>Sizes</b>	6.3 mm to 51 mm ID
<b>Working Pressure</b>	10 to 25 bar depending on size
<b>Temperature</b>	-10 degrees C to +70 degrees C
<b>Standard</b>	BS EN ISO 2398 -- Rubber hoses for compressed air
<b>Applications</b>	Pneumatic tools, compressor outlets, factory air distribution, tyre inflation

### Installation & Handling

- Match hose type to the fluid medium -- never use compressed air hose for steam service.
- Use only matched end fittings -- barbed inserts secured with clamps for low pressure; crimp fittings for high pressure.
- Respect minimum bend radius. Kinked rubber hose weakens the reinforcement and causes early failure.
- Inspect hoses before each use for cuts, blistering, and soft spots. Retire any hose showing damage.
- Steam hoses must be drained after use to prevent waterlogging and premature cover failure.
- Protect from sustained UV exposure -- store coiled in a dry, shaded location.
- Do not paint over rubber hoses -- paint can mask deterioration.

#### Important

**Steam hose must never be used beyond its rated pressure and temperature. Always allow steam systems to cool before disconnecting hoses. Welding hoses are colour-coded -- do not interchange fuel gas and oxygen hoses under any circumstances.**

### Standards Reference

<b>Steam Hose</b>	BS EN ISO 6134
-------------------	----------------





<b>Welding Hose</b>	BS EN ISO 3821
<b>Compressed Air</b>	BS EN ISO 2398
<b>General Industrial</b>	BS EN ISO 6945 / BS 5118
<b>Manufacturer ISO</b>	ISO 9001:2015   ISO 14001:2015 -- Polyhose India Pvt Ltd
<b>Distributor ISO</b>	ISO 9001:2015   ISO 14001:2015   ISO 45001:2018 -- Gita Marketing Co.

## Ordering & Supply

<b>Manufacturer</b>	Polyhose India Pvt Ltd
<b>Distributor</b>	Gita Marketing Co., Bangalore
<b>Supply</b>	Cut hose   Full reels   Assembled with end fittings
<b>Contact</b>	+91-89040-35515   info@gitamarketing.com
<b>Website</b>	www.gitamarketing.com

Sources: [Polyhose India Pvt Ltd](#) | BS EN ISO 6134 / 3821 / 2398 | [www.gitamarketing.com](#)