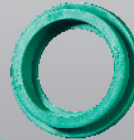
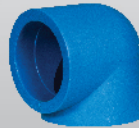
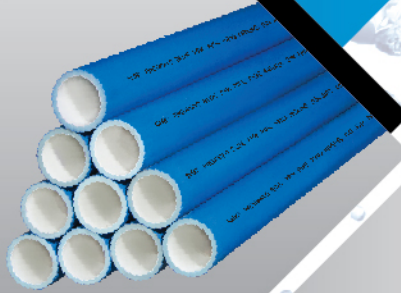




SHK Polymers Industries



ISO 9001 - 2015 certified company



SHK[®]

PPR - Green & Blue
Pipes & Fittings

Industrial & Domestic Piping Solutions

Under One Roof

PPR-C Pipes in size : 20 mm to 400 mm

PPR-C Fittings in size: 20 mm to 200 mm (Socket fusion) &
250 mm to 400 mm (Butt welded)

www.shreeharikrishna.net

Why PPR-C ?

Raw Material Polypropylene Random Copolymer (PPR-C) is a thermoplastic polyolefin having low melt flow rate range high molecular weight and good flexibility which is easy to process into pipes & fittings with superior chemical & physical properties. The PPR-C material is recommended for the production of pressure Pipes including portable water supply pipeline, Hot & Cold water pipelines, and also for Chemical Industry application, due to good corrosion resistance, long term pressure resistance, easy installation technique - no leakage.

Manufacture of the Industrial Pipe & Fittings: Polypropylene

We are the manufacturer & supplier of complete range of PPR-C Pipes & Fittings up to 315mm under the brand name "SHK" based at Ahmedabad, Gujarat, India. With our special and R&D, we have developed PPR-C composite pipes used at Industrial sector. SHK Thermo PPR-C composite pipe in Green Color and SHK Pneumato PPR-C composite Pneumatic Pipe in Blue color as per DIN 8077/8078 Standards.

A range of size available: PPR-C Pipes in size: 20 mm to 400 mm

PPR-C Fittings in size: 20 mm to 200mm (Socket fusion) & 250 mm to 400 mm (Butt welded)

WALL THICKNESS CHART of PPR-C PIPES: As per DIN: 8077/8078 and IS: 15801

Nominal Diameter	(SDR 11) PN 10		(SDR 7.4) PN 16		(SDR 6) PN 20	
	MIN	MAX	MIN	MAX	MIN	MAX
DN						
20 MM	1.90	2.30	2.80	3.30	3.40	4.00
25 MM	2.30	2.80	3.50	4.10	4.20	4.90
32 MM	2.90	3.40	4.40	5.10	5.40	6.20
40 MM	3.70	4.30	5.50	6.30	6.70	7.60
50 MM	4.60	5.30	6.90	7.80	8.30	9.40
63 MM	5.80	6.60	8.60	9.70	10.50	11.80
75 MM	6.80	7.70	10.30	11.60	12.50	14.00
90 MM	8.20	9.30	12.30	13.80	15.00	16.70
110 MM	10.00	11.20	15.10	16.90	18.30	20.40
160 MM	14.60	16.30	21.90	24.30	26.60	29.50

WALL THICKNESS CHART of PPR-C PIPES (in mm)

Nominal Diameter	PN-6	PN-8	PN-10	PN-16
DN	MIN	MIN	MIN	MIN
200 MM (8")	11.4	14.9	18.2	27.4
250 MM (10")	14.2	18.6	22.7	
315 MM (12")	17.9	23.4	28.6	
400 MM (16")	23.5			

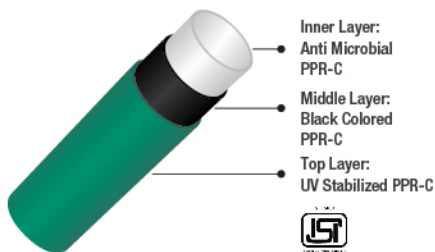
AVAILABLE COLOURS

Dark Green Colour	Light Green Colour	Blue Colour	Red Colour	Simona Grey
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STANDARDS FOR PIPES & FITTINGS

Standards	Fields
DIN 8077	Polypropylene PP pipes, dimensions
DIN 8078	Polypropylene pipes, general quality requirements, tests
DIN 16962	Polypropylene (PP) pipes fitting
DIN 53735	Tests of plastic materials; determination of melt index of thermoplastics
DVS 2203	Tests of thermoplastics pipe fittings for welding
DVS 2207 Part II	Welding of the thermoplastic materials PP type 1, type 2 and type 3 pipes and accessories
DVS 2208 Part I	Machinery and equipment for welding thermoplastics, welding with hot elements
BIS - IS 15801: 2008	Polypropylene – Random co-polymer pipes for hot and cold water supplies

SHK[®] Aqua Triple Layer PPR-C Pipes & Fittings



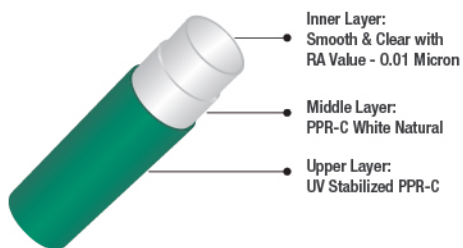
UV Stabilized PPR-C Top layer: Green Outer Layer with UV stabilizers protect against UV light. Further enhance the light and thermal stability of product. Long term durability and enhance life of the product and maintain the properties of the polymer.

Black Colored PPR-C Middle Layer: Good resistance to UV rays.

Anti-microbial PPR-C Inner Layer: Prevent against the growth of Bacterial/Microbes/Algae etc and preserves the pipe from them.

The grade confirm to the positive list of constituents as prescribed in IS 10909. The grade is Produced generally in line with FDA Requirement laid down in FDA: CFR Title 21,577.1520

SHK[®] Thermo PPR-C Pipes & Fittings

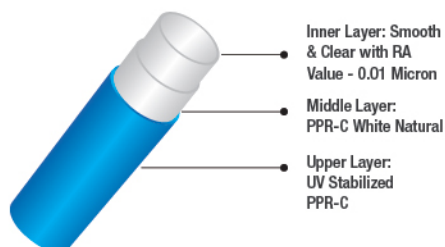


Upper Layer - UV Stabilized: Green or Blue Outer Layer with UV light. Further enhance the light and thermal stability of product. Long term durability and enhance life of the product and maintain the properties of the polymer.

Middle layer - PPR-C White Natural: Due to specific design - Composite White Natural leads to High Resistance against Thermal Expansion, High Impact, Very Low Sagging.

Inner Layer - Smooth & Clear: Smooth Inner surface leading to good quality flow, Very High Abrasion resistance and Rust Free piping.

SHK[®] Pneumato Pneumatic PPR-C Pipes & Fittings



With RA Value 0.01 Micron gives negligible friction loss in the pipeline C Value 150 gives Smoother and higher flow in the Pipeline

Conveying Compressed Air Pressure Services instead of GI Pipes or Aluminium Pipes

• Compressed Air • Instrument Air • Vacuum Air • Nitrogen Air • Pneumatic Control

POLYPROPYLENE RANDOM COPOLYMER TYPE-3 CORRESPONDENCE TO GERMAN DIN STANDARDS

- Pipes as per: Din 8077 & Din 8078 Standard and IS 15801
- Fittings as per: Din 16962 Part - 5 to 10 Standard

PROPERTIES

- Extremely long life, 50 years of service life
- Taste and odour neutral
- No need for insulation
- No Reaction with Salts & Acids
- Leak Proof & Frost Proof
- Hygienic & Non-Toxic, Anti-Fungal
- Unique and un-rivaled jointing technique with security for lifetime

ADVANTAGE

- Excellent Chemical Resistance, Strong & UV Stabilized
- Smooth Inner Surface, Low Pressure Drop
- No Rust, No Scaling & Long Lasting
- Resistance to Abrasion & Corrosion
- Light Weight & No Maintenance
- Low laying time and cost
- Resistance to High Temperature from -8° to 95°

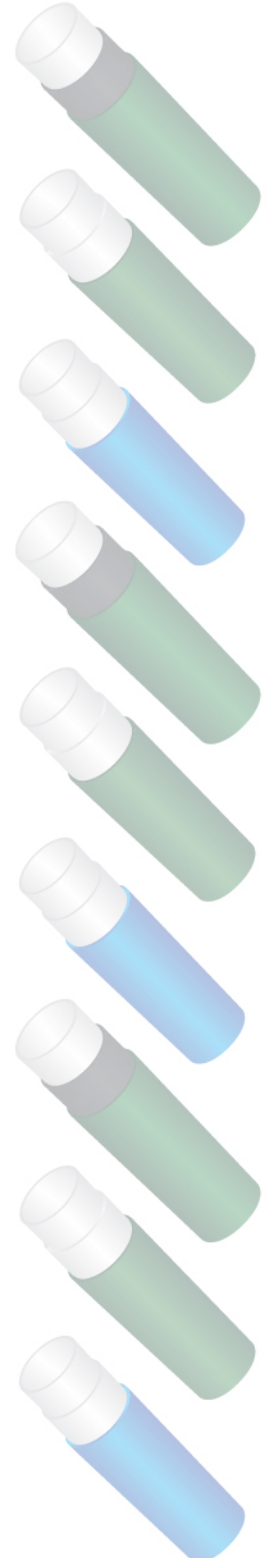
APPLICATION

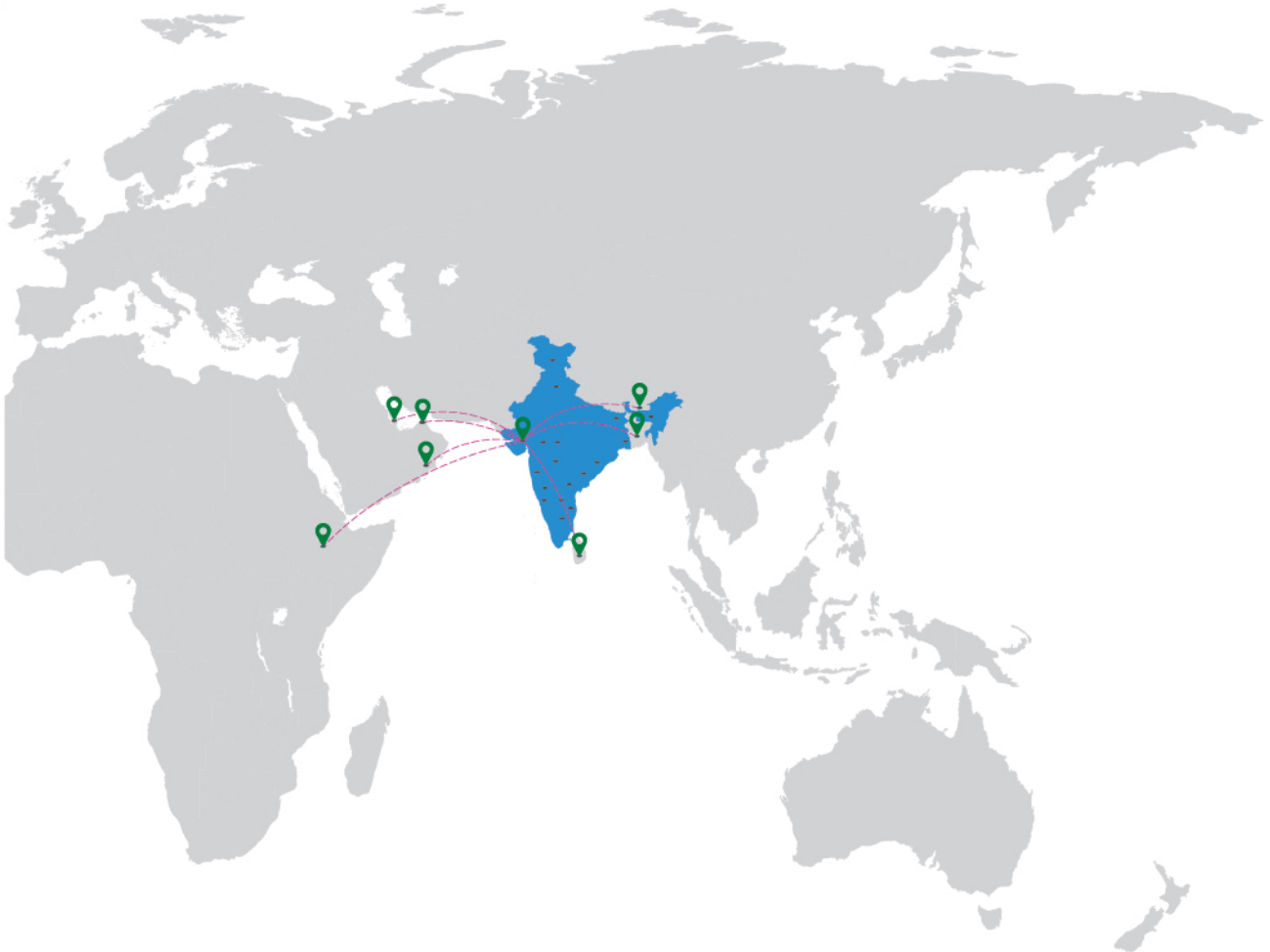
- Potable water Hot and cold
- Cooling and chilled water
- RO Water, DM Water, Pharma Project
- Chemical line, Effluent line & Acid line
- Hydraulic Oil C
- Dyes, Intermediates plant, Food, Dairy & Pharma, Textile, Sugar Factory and Paper mills

APPROVAL FROM GOVERNMENT DEPT.

Our Product Approved from

- ▶ Military Engg. Services (MES)
- ▶ Northern Railways
- ▶ CBRI (Central Building Research Institute)
- ▶ CFTRI (Central Food Technological Research Institute)



OUR NETWORK**Domestic**

- | | | |
|------------------|--------------------|------------------|
| 1) Ahmedabad | 18) Solapur | 35) Madurai |
| 2) Baroda | 19) Ahmednagar | 36) Cochi |
| 3) Ankleshwar | 20) Bhuj | 37) Goa |
| 4) Dahej | 21) Selvasa | 38) Hyderabad |
| 5) Panoli | 22) Icchhalkaranji | 39) Secunderabad |
| 6) Surat | 23) Dhule | 40) Kolkata |
| 7) Vapi | 24) Nagpur | 41) Siliguri |
| 8) Diu and Daman | 25) Nashik | 42) Guwahati |
| 9) Morbi | 26) Indore | 43) Jammu |
| 10) Rajkot | 27) Bhopal | 44) Kashmir |
| 11) Gandhidham | 28) Belgaum | 45) Leh |
| 12) Aurangabad | 29) Bangalore | 46) Delhi |
| 13) Kolhapur | 30) Mangalore | 47) Patna |
| 14) Pune | 31) Mysore | 48) Vizag |
| 15) Mumbai | 32) Chennai | 49) Chandigarh |
| 16) Boisar | 33) Coimbatore | |
| 17) Vasai | 34) Dindigul | |

International**Countries**

- 1) Sri Lanka
- 2) Bangladesh
- 3) Bhutan
- 4) Dubai
- 5) Qatar
- 6) Oman
- 7) Ethiopia



- SHK AQUA - PPR-C Triple Layer Pipe & Coil
- SHK THERMO - PPR-C Composite Pipe: Green
- SHK PNEUMATO - PPR-C Composite Pneumatic Pipe: Blue



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Authorised Distributor / Dealer: