



PP / PPH

PIPING SYSTEMS

Polypropylene Pipes



PP

PIPING SYSTEMS



Chemical Resistant



Thermal Resistant



Easy Installation



Smooth inner wall



Light Weight



Elastic



Impact Resistant



Crack Resistant



Non Toxic

Polypropylene (PP) is a thermoplastic from the polyolefin group. Sangir Pipes are made from semi-rigid, translucent polymer with good toughness and, weather resistance properties, low water absorption, and are easily molded to desired shapes. PP is a largely-polar, partially crystalline thermoplastic with a crystallinity of 60% to 70% and a density of 0.90 to 0.91g/cm³, which is amongst the lowest for all plastics.

It is generally available in three advanced forms:

- PP- Homopolymer (PP-H)
- PP- Copolymer (PP-C)
- PP- Random Copolymer (PP-R)

Technical Information

			PP-C	PP-H	PP-R	PP2222
Specific gravity (p)	ISO 1183	g/cm ³	0.91	0.90	0.909	0.912
Max. Permissible service temp		°C	0 to 75	5 to 100	5 to 100	5 to 100
Tensile strength at yield (σ _S)	ISO 527	Mpa	26	31	26.1	26
Elongation at break (ε _R)	ISO 527	%	-	≥400	≥400	≥400
Impact strength (a _n)	ISO 179	kJ/m ²	No Break	No Break	No Break	No Break
Modulus of elasticity (E _t)	ISO 527	Mpa	1200	1400	1200	1200
Coef. of linear therm. expansion (α)	DIN 53752	K ⁻¹ X 10 ⁻⁴	1.5	1.5	1.5	1.5
Vicat Softening Temp	ISO 306	°C	148	150	131.3	148
Shore Hardness	ISO868	Shore D	67	70	60	67

PIPING



PP-H

Range : 20 - 630 mm
PN 2.5 to 16
Standards : DIN 8077
ASTM Sch 40/80
SDR 7.4 to 41



PP-C/R

Range : 20 - 630 mm
PN 2.5 to 16
Standards : DIN 8077
ASTM Sch 40/80
SDR 7.4 to 41



PP-Liner

Range : 20 - 315 mm
Standards : Custom Size

Applications



Sulfuric & Hydrochloric Acid Service | Phosphoric Acid Service | Cold-Roll Mills | Acid Regeneration Plants | Ferrous & Non-Ferrous Metal Plants | Battery Industry | PV Cell & Semi-Conductor Industry | Fertilizer Plants | Chemicals & Process Industries | Pharmaceuticals & Bulk Drug Industries | Chemicals Dosing | RO Reject Lines | Desalination | Sugar Mills & Distilleries.

FITTINGS



Socket Fusion

Type : Moulded
Range : 20 - 110 mm
Standards : DIN16962



Butt Fusion

Type : Moulded
Range : 20 - 225 mm
Standards : DIN16962



Butt Fusion

Type : Fabricated
Range : 250 - 630 mm
Standards : DIN16962



Corporate Office


Sangir Plastics Pvt. Ltd. Mandhana Enclave, Bangur Nagar, Goregaon (West),
Mumbai-400104, Maharashtra, India.

Branch Offices :

Vadodara | Ahmedabad | Vapi | Bharuch | Kolkata | Bangalore | Delhi | Chennai | Pune | Hyderabad | Visakhapatnam

Manufacturing Sites :

Vapi - Gujarat | Jaipur - Rajasthan | Indore - Madhya Pradesh

 sales@sangir.com

 +91 22 28717800



www.sangir.com

Disclaimer / TM Information: All product specifications, statements, information and data (collectively, the "Information") in this catalog or made available on our website are subject to change. The customer is responsible for checking and verifying the extent to which the information contained in this document is applicable to an order at the time the order is placed. All information given herein is believed to be accurate and reliable, but it is presented without guarantee, warranty, or responsibility of any kind, expressed or implied. This document does not constitute any binding offer to sell, or any warranty express or implied or of merchantability or fitness of the products for a particular purpose. Sangir in no way is responsible for persons acting without authority or drawing reference from anything contained herein without written confirmation from Sangir for any claims made based on this document or otherwise on their own. Customers should make their own independent determination that product is suitable for the intended use and should also ensure that they can use Sangir products safely and legally. Sangir shall not assume any liabilities thus arising from any such incidences unless expressly provided by itself separately. Kynar® and Corzan® are trademarks owned by Arkema Inc and Lubrizol respectively.