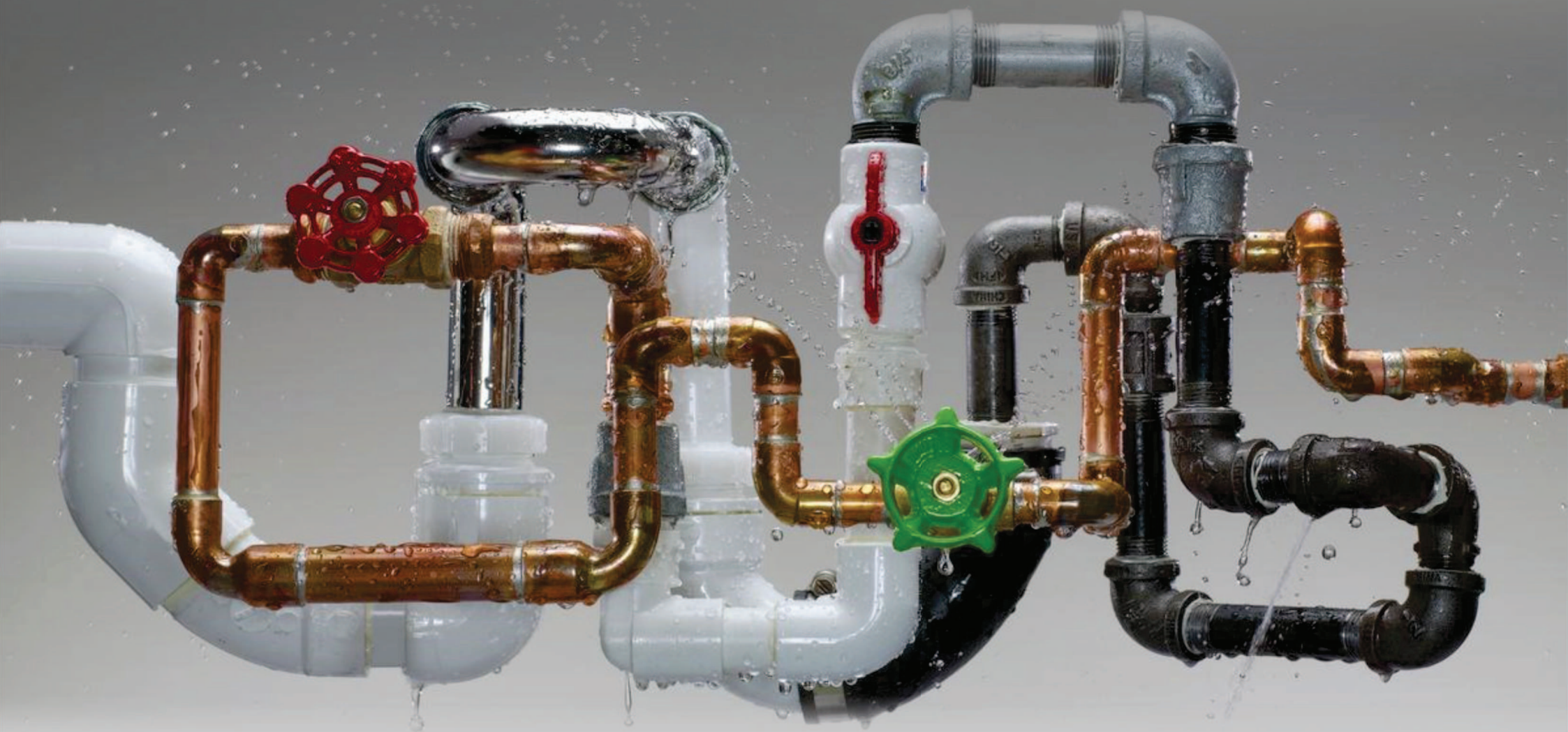




PPR-80 PIPE SYSTEM



- Residential Building
- Hospitality Building
- Commercial Building
- Marine and Industrial Building
- Agriculture



Established in 2019, Chew Pipe and Fitting has been committed to developing high quality piping product that cover plumbing, engineering and mechanical for Domestic, Industrial as well as Marine sector. At present, our main product consist of :

1. Carbon Steel Pipe, Fitting and Flange
2. Stainless Steel Pipe, Fitting and Flange
3. PVC-U Pipe, Fitting and Flange
4. PPR Pipe, Fitting and Flange
5. Marine and Industrial Valves



To meet with our customer demand, we strive to upgrade our product range to provide more professional systematic solution to our customers.

POLYPROPYLENE RANDOM COPOLYMER (PPR)

CHEW pipes and fittings are produced from Polypropylene Random Copolymer as raw material having good flexibility, high molecular weight and low melt flow rate.

This raw material is recommended for the production of pressure pipes including hot and cold water transfer lines, floor heating, potable water transfer lines and also for chemical industry application. Good long term pressure resistance and easy processing and installation technique give cold and hot water systems made of PP-R pipes an advantage as an alternative to the traditional systems.

Polypropylene Random Copolymer Type 3 corresponds to German DIN standards.

1. DIN 8077 Dec. 1997 PP Pipe Dimensions
2. DIN 8078 April 1996 PP pipes General Quality Requirements and Testing.

We have well equipped in house testing facility for the control of quality by:

1. Testing of incoming Raw material & additional
2. Inspection and testing during production as per standards
3. Final inspection and dispatch
4. Periodical calibration of testing equipment

COMPARISON CHART

PROPERTIES	PP-R	GI	COPPER	HDPE
SERVICE LIFE	50 YEARS +	10 YEARS	10-20 YEARS	20-30 YEARS
TEMPERATURE RESISTANCE	VERY GOOD	EXCELLENT	EXCELLENT	GOOD
FOOD GRADE	EXCELLENT	NOT RECCOMENDED	NOT RECCOMENDED	AVERAGE
HEAT LOSS	NEGLIGIBLE	VERY HIGH	VERY HIGH	AVERAGE
CHEMICAL RESISTANCE	EXCELLENT	NOT RECCOMENDED	NOT RECCOMENDED	AVERAGE
MAX WORKING TEMP	90DEG C	ABOVE 100DEG C	ABOVE 100DEG C	80DEG C
MAINTENANCE	EASY	HIGH IN COST	HIGH IN COST	EASY
CORROSION/ABRASION RESISTANCE	EXCELLENT	LOW	LOW	AVERAGE
JOINTING METHOD	HEAT FUSHION	WELDING	BRAZING	COMPRESSION/ BUTT WELD



SPECIALIST FOR DOMESTIC WATER SUPPLY SYSTEM

Today the buildings are getting complex, making the (drinking) water systems ever more complex. From multi story buildings, offices to single occupant houses, specialist water supply is more than a pipe system. To make today's complex installations demands a combination of cost-effective pipe design, applied technology and dedicated training.

Chew PPR Pipe System offers you the reassurance of providing the right solution to tackle even the most complex challenges and realise the outcome you want - without being a burden to the services or limited by the cost of high performance components. For confidence, not compromise



QUALITY PRODUCT

CHEW premium PP-R pipe system introduces advanced technology and technology at home and abroad, uses high-quality polypropylene pipe special materials, and is produced in strict accordance with GB/T18742-2002 standards. The products have passed ISO9001/2000 international quality system certification and ISO14001/2004 international environmental management system certification.

QUALITY SYSTEM

CHEW premium PP-R pipe system provides the maximum quality installed while ensure that :

1. Hygienic reliable drinking water
2. Long term system use
3. Water and energy saving



Chew PPR Pipe Systems ensure absolute safety features at the joints and best polypropylene raw material chosen to prevent any degradation. Professional design of every detail of pipe fittings makes every "joint" of the piping system safe, firm and reliable, and effectively solves the hidden dangers of home im-provement water pipes that are easy to leak and burst.

PROPERTIES	TYPICAL VALUES	UNIT	METHOD
DENSITY	905	kg/m ³	ISO 1133
MELT FLOW RATE (190°C/5 kg)	≤ 0.8	g/10 min.	ISO 1133
FLEXULAR MODULUS (2 mm/min)	800	Mpa	ISO 178
TENSILE STRESS AT YIELD (50 mm/min)	25	Mpa	ISO 527
ELONGATION	> 400	%	ASTM D638



PP-R For more than 30 years, Polypropylene Random Copolymer (PP-R) has been applied successfully for hot and cold water applications in countries worldwide. The combination of properties such as resistance to internal pressure, flexibility and impact have made PP-R the material of choice for a safe and reliable long-lasting installations. No wonder that PP-R has been continuously replacing traditional materials like copper and galvanized steel over the last decades

BENEFITS OF PP-R

- No contact corrosion when exposed to iron particles
- Taste and odor neutral
- Bacteriologically neutral
- Fast and easy installation
- Entire plastic systems available
- Good chemical resistance
- Low tendency to incrustations
- Environmental protection and recycling



APPLICATION FIELDS OF PP-R

1. The cold and hot water system of the building;
2. The heating system in the building;
3. Pure water supply system for drinking directly;
4. Central (centralized) air conditioning system;
5. Agriculture and Horticulture System

Domestic Sanitary



Drinking Water



Hot & Cold Water



EASY FUSION METHOD



Socket fusion method which Pipe and Fitting are heated before pushed together and be-come joined in an separable manner. The result is a permanent homogeneous joint that requires no seal or solvent and gives great pressure resistance.

WELDING PARAMETERS

Pipe Diameter (mm)	Insertion Depth (mm)	Heating Time (sec)	Jointing Time (sec)	Cooling Time (sec)
20	14	5	4	120
25	16	6	4	180
32	18	8	6	240
40	20	12	6	240
50	23	18	6	300
63	26	25	8	360
75	28	30	8	480
90	31	40	10	480
110	33	50	10	480



CHEW PPR PRODUCT RANGE

PIPES



PIPE PN16

PN1601	D20 X 2.3MM
PN1602	D25 X 2.8MM
PN1603	D32 X 3.6MM
PN1604	D40 X 4.5MM
PN1605	D50 X 5.6MM
PN1606	D63 X 7.1MM
PN1607	D75 X 8.4MM
PN1608	D90 X 10.1MM
PN1609	D110 X 12.3MM

PIPE PN20

PN2001	D20 X 2.8MM
PN2002	D25 X 3.5MM
PN2003	D32 X 4.4MM
PN2004	D40 X 5.5MM
PN2005	D50 X 6.9MM
PN2006	D63 X 8.7MM
PN2007	D75 X 10.1MM
PN2008	D90 X 12.3MM
PN2009	D110 X 15.1MM

PIPE PN25

PN2501	D20 X 3.4MM
PN2502	D25 X 4.2MM
PN2503	D32 X 5.4MM
PN2504	D40 X 6.7MM
PN2505	D50 X 8.4MM
PN2506	D63 X 10.5MM
PN2507	D75 X 12.5MM

PLAIN FITTINGS

PLAIN SOCKET



S2001	D20
S2501	D25
S3201	D32
S4001	D40
S5001	D50
S6301	D63

90DEG ELBOW



L2001	D20
L2501	D25
L3201	D32
L4001	D40
L5001	D50
L6301	D63

EQUAL TEE



T2001	D20
T2501	D25
T3201	D32
T4001	D40
T5001	D50
T6301	D63

REDUCING SOCKET



S2520	D25 X D20
S3220	D32 X D20
S3225	D32 X D25
S4020	D40 X D20
S4025	D40 X D25
S4032	D40 X D32
S5020	D50 X D20
S5025	D50 X D25
S5032	D50 X D32
S5040	D50 X D40
S6320	D63 X D20
S6325	D63 X D25
S6332	D63 X D32
S6340	D63 X D40
S6350	D63 X D50

45DEG ELBOW



L2045	D20
L2545	D25
L3245	D32
L4045	D40
L5045	D50
L6345	D63

REDUCING TEE



T2520	D25 X D20
T3220	D32 X D20
T3225	D32 X D25
T4020	D40 X D20
T4025	D40 X D25
T4032	D40 X D32
T5020	D50 X D20
T5025	D50 X D25
T5032	D50 X D32
T5040	D50 X D40
T6320	D63 X D20
T6325	D63 X D25
T6332	D63 X D32
T6340	D63 X D40
T6350	D63 X D50

UNION SOCKET



2006	D20
2506	D25
3206	D32
4006	D40
5006	D50
6306	D63

END CAP



D2001	D20
D2501	D25
D3201	D32
D4001	D40
D5001	D50
D6301	D63

CROSS TEE



CT2001	D20
CT2501	D25
CT3201	D32
CT4001	D40
CT5001	D50
CT6301	D63

BRIDGE ELBOW



2001	D20
2501	D25
3201	D32
3201	D32

HEX PLUG



4001	1/2"
6001	3/4"
1001	1"

CHEW PPR PRODUCT RANGE

TRANSITION FITTINGS

MALE THREAD ADAPTOR



S2012M	D20 X 1/2" MPT
S2512M	D25 X 1/2" MPT
S2534M	D25 X 3/4" MPT
S3212M	D32 X 1/2" MPT
S3234M	D32 X 3/4" MPT
S3210M	D32 X 1" MPT
S4014M	D40 X 1-1/4" MPT
S5012M	D50 X 1-1/2" MPT
S6320M	D63 X 2" MPT

FEMALE THREAD ADAPTOR



S2012F	D20 X 1/2" FPT
S2512F	D25 X 1/2" FPT
S2534F	D25 X 3/4" FPT
S3212F	D32 X 1/2" FPT
S3234F	D32 X 3/4" FPT
S3210F	D32 X 1" FPT
S4014F	D40 X 1-1/4" FPT
S5012F	D50 X 1-1/2" FPT
S6320F	D63 X 2" FPT

MALE ADAPTOR UNION



2012M	D20 X 1/2" MPT
2534M	D25 X 3/4" MPT
3210M	D32 X 1" MPT
4014M	D40 X 1-1/4" MPT
5012M	D50 X 1-1/2" MPT
6320M	D63 X 2" MPT

FEMALE THREAD ELBOW



L2012F	D20 X 1/2" FPT
L2512F	D25 X 1/2" FPT
L2534F	D25 X 3/4" FPT
L3212F	D32 X 1/2" FPT
L3234F	D32 X 3/4" FPT
L3210F	D32 X 1" FPT

MALE THREAD ELBOW



L2012M	D20 X 1/2" MPT
L2512M	D25 X 1/2" MPT
L2534M	D25 X 3/4" MPT
L3212M	D32 X 1/2" MPT
L3234M	D32 X 3/4" MPT
L3210M	D32 X 1" MPT

BRACKET FEMALE ELBOW



ZL2012	D20 X 1/2" FPT
ZL2512	D25 X 1/2" FPT

MALE ADAPTOR UNION



2012F	D20 X 1/2" FPT
2534F	D25 X 3/4" FPT
3210F	D32 X 1" FPT
4014F	D40 X 1-1/4" FPT
5012F	D50 X 1-1/2" FPT
6320F	D63 X 2" FPT

MALE THREAD TEE



T2012M	D20 X 1/2" MPT
T2512M	D25 X 1/2" MPT
T2534M	D25 X 3/4" MPT
T3212M	D32 X 1/2" MPT
T3234M	D32 X 3/4" MPT
T3210M	D32 X 1" MPT

FEMALE THREAD TEE



T2012F	D20 X 1/2" FPT
T2512F	D25 X 1/2" FPT
T2534F	D25 X 3/4" FPT
T3212F	D32 X 1/2" FPT
T3234F	D32 X 3/4" FPT
T3210F	D32 X 1" FPT

LINKED ELBOW



T2012F	D20 X 1/2" FPT
T2512F	D25 X 1/2" FPT

LINKED SOCKET



T2012F	D20 X 1/2" FPT
T2512F	D25 X 1/2" FPT

LINKED TEE



T2012F	D20 X 1/2" FPT
T2512F	D25 X 1/2" FPT

VALVES

STOP VALVE



J2003	D20
J2503	D25
J3203	D32
J4003	D40
J5003	D50
J6303	D63

UNION BALL VALVE



2005	D20
2505	D25
3205	D32
4005	D40
5005	D50
6305	D63

BALL VALVE



2012	D20
2512	D25
3212	D32
4012	D40
5012	D50
6312	D63

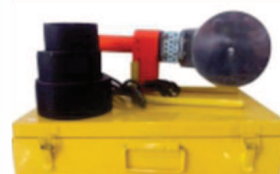
WELDING MACHINE

PPR WELDING MACHINE



B001	D20 - D63
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PPR WELDING MACHINE



C001	D63 - D110
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PPR-80 PIPE SYSTEM



Your Piping System Partner



For more information , please contact:

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www.chewpipefitting.com