

### ***PPR pipe***

PPR pipe includes PPR pipe, PPR nano-bacterium pipe, PPR glass fiber pipe, PPR aluminum plastic pipe and PPR stable pipe.

Polypropylene PPR pipe materials adopt heat melt technique in the project of cold and hot water transportation. The synthesis technique performance and economic index is better than zinc covered pipe, UPVC pipe, aluminum pipe and plastic pipe, unit polythene pipe and butylenes pipe. It is the leading products used in water pipe in Occient countries.

Our company is supported by Science Academe of China and Beijing Chemical Academe and the raw and processed materials are based on North Europe Chemical and Korean Dawn Star. We have developed the new kind of polypropylene PPR pipe. Meantime, we have invented a special melt and join facility used on PPR pipe, the technique of which has reached the standard of Germany DIN8077, DIN8078.

PPR pipe has attracted attention world widely and been regarded as the real ecological pipe of all the architecture cool and hot water pipe.

#### ***Products features***

1. sanitary, innocuity, green architecture material, can be used for purified water pipe
2. heat-enduring, temperature of the watering running through the pipe can reach 95degree under the long time regular work pressure.
3. 3. erode-enduring, anti-filthy, avoid pipe jam and rust on basin and bathtub.
4. keeping warm and saving energy: caloric transmit quotiety is 1/200. it is a good facility to keep the pipe warm and save energy.
5. light , intensive, the weight is 1/8 of the metal, compression resistance has reached 5Mpa and above, tenacity, able to endure impacts
6. nice form, inside and outside cover is smooth that bring little resistance to the water, color is gentle figuring is nice
7. easy to fix, adopt the technique of heating melt connect without covering thread and tie-in completed in several minutes.
8. the pipe system can be used for 50 years and above under regular use.

#### ***Index of fuse operation technique of different specs.***

Outside diameter (mm)	Fuse depth (mm)	Heating time (seconds)	Processing time (seconds)	Cooling times (minutes)
20	14	5	4	2
25	15	7	4	2
32	16.5	8	6	4
40	18	12	6	4
50	20	18	6	4
63	24	24	8	6
75	30	30	10	8

***Products performance***

Items		index
		Pipe material      pipe fittings
Density	G/cbm 20°C	0.89-0.91
Heat transmitting index	W/m.k(20°C)	0.23-0.24
Thread expand index	Mm/m.k	0.14-0.16
Flip thread mode mete	W/m(20°C)	800
Extend intensity	Mpa	≥20
Minitication in portrait	135°C, 2h%	≤2
Swing and beat impact test 15j,0°C, 2hdisrepair rate		<10

***Pipe material spec.***

S5PN=1.25MPa	S4PN=1.6MPa	S3.2PN=2.0MPa	S2.5PN=2.5MPa
20*2.0	20*2.3	20*2.8	20*3.4
25*2.3	25*2.8	25*3.5	25*4.2
32*2.9	32*3.6	32*4.4	32*5.4
40*3.7	40*4.5	40*5.5	40*6.7
50*4.6	50*4.5	50*6.9	50*8.4
63*5.8	63*7.1	63*8.6	63*10.5
75*6.9	75*8.4	75*10.1	75*12.3
90*8.2	90*10.1	90*12.3	90*15
110*10.0	110*12.3	110*15.1	110*18