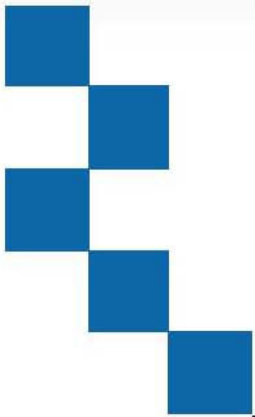


# Piping



■ PVC Rainwater Gutter & Fitting



## Polypropylene Random (PPR)

PPR (polypropylene random) is known as random copolymer polypropylene (PPR), too. Its products have good toughness, high strength, excellent processing performance, good creep resistance in high temperature. It can be widely used in the production of pipe, sheet, daily necessities, packaging materials, household electric appliance parts and various films.

**Polyethylene (PP):** For PP and other components like grease are all from Sinopec. All these will enhance pipe's stability and flexibility, and bring smooth inner wall and glossy surface.

**Polyethylene-Random (PPR):** We import PPR from Korean Hyosung. It's the best material of PPR in the world.

**Color Masterbatch:** German Bayer.

5 Years: no fading under extremely hard light.

8 Years: no fading at seaside under high salinity and hard light.

**UV-Proof Component:** Switzerland Clariant Chemicals.

Imported UV-proof can lengthen the usage life, lessen damage.

**PP-R e as a new pipe has the following characteristics:**

1. Corrosion-resistant, non-scaling, hygiene, non-toxic.
2. High temperature resistance, high pressure resistance, long usage time. The long-term working temperature of PP-R pipe is up to 95℃, and short-term working temperature is up to 120℃. Under 70℃ working temperature and 1.2MPa working pressure, the usage time will be 50 years.
3. Lightweight, high strength, fluid resistance.
4. Convenient but solid connection. PPR pipes and fittings can use electric welder and heat welder for connection and the connection area is stronger than non-connected area.

### Application

1. Hot and cold water systems, including central heating system.
2. Building heating system, including floor, wall and radiant heating system.
3. Drinkable pure water supply system.
4. Central air conditioning system.
5. Other transfer or discharge chemical products industrial piping systems.



Welder



Cutter



# Piping

## Polypropylene Random (PPR)

### PN12.5 Cold Water



Size x Wall Thickness(mm):  
 20x2.0mm  
 25x2.3mm  
 32x3.0mm  
 40x3.7mm  
 50x4.6mm  
 63x5.8mm  
 75x6.9mm  
 90x8.2mm  
 110x10.1mm  
 160x14.6mm

### PN16 Cold Water



Size x Wall Thickness(mm):  
 20x2.3mm  
 25x2.8mm  
 32x3.6mm  
 40x4.5mm  
 50x5.6mm  
 63x7.1mm  
 75x8.4mm  
 90x10.1mm  
 110x12.3mm  
 160x17.8mm

### PN20 Hot Water



Size x Wall Thickness(mm):  
 20x2.8mm  
 25x3.5mm  
 32x4.4mm  
 40x5.5mm  
 50x6.9mm  
 63x8.6mm  
 75x10.1mm  
 90x12.3mm  
 110x15.3mm  
 160x21.9mm

### PN25 Hot Water



Size x Wall Thickness(mm):  
 20x3.4mm  
 25x4.2mm  
 32x5.4mm  
 40x6.7mm  
 50x8.3mm  
 63x10.5mm  
 75x12.3mm  
 90x15.0mm  
 110x18.3mm

### Coupling



Size x Wall Thickness(mm):  
 S20mm  
 S25mm  
 S32mm  
 S40mm  
 S50mm  
 S63mm  
 S75mm  
 S90mm  
 S110mm  
 S160mm

### Reducing Socket



Size x Wall Thickness(mm):  
 S25x20mm  
 S32x20mm  
 S32x25mm  
 S40x20mm  
 S40x25mm  
 S40x32mm  
 S50x20mm  
 S50x25mm  
 S50x32mm  
 S50x40mm  
 S63x20mm

### Elbow



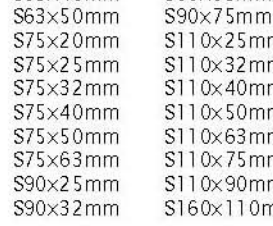
Size x Wall Thickness(mm):  
 L20mm  
 L25mm  
 L32mm  
 L40mm  
 L50mm  
 L63mm  
 L75mm  
 L90mm  
 L110mm  
 L160mm

### 90Deg Nipple Elbow



Size x Wall Thickness(mm):  
 L20mm  
 L25mm  
 L32mm

### Reducing Tee



Size x Wall Thickness(mm):  
 S63x25mm  
 S63x32mm  
 S63x40mm  
 S63x50mm  
 S75x20mm  
 S75x25mm  
 S75x32mm  
 S75x40mm  
 S75x50mm  
 S75x63mm  
 S90x25mm  
 S90x32mm  
 S90x40mm  
 S90x50mm  
 S90x63mm  
 S90x75mm  
 S110x25mm  
 S110x32mm  
 S110x40mm  
 S110x50mm  
 S110x63mm  
 S110x75mm  
 S110x90mm  
 S160x110mm

### Long Elbow



Size x Wall Thickness(mm):  
 L20mm  
 L25mm

### 45Deg Elbow



Size x Wall Thickness(mm):  
 L20mm  
 L25mm  
 L32mm  
 L40mm  
 L50mm  
 L63mm  
 L75mm  
 L90mm  
 L110mm  
 L160mm

### Reducing Tee



Size x Wall Thickness(mm):  
 T25x20x25mm  
 T32x20x32mm  
 T32x25x32mm  
 T40x20x40mm  
 T40x25x40mm  
 T40x32x40mm  
 T50x20x50mm  
 T50x25x50mm  
 T50x32x50mm  
 T50x40x50mm  
 T63x20x63mm  
 T63x25x63mm

### Reducing Elbow



Size x Wall Thickness(mm):  
 L25x20mm  
 L32x30mm  
 L32x25mm  
 L40x20mm  
 L40x25mm  
 L40x32mm  
 L50x20mm  
 L50x25mm  
 L50x32mm  
 L50x40mm  
 L63x20mm  
 L63x25mm  
 L63x32mm  
 L63x40mm  
 L63x50mm

### Equal Tee



Size x Wall Thickness(mm):  
 T20mm  
 T25mm  
 T32mm  
 T40mm  
 T50mm  
 T63mm  
 T75mm  
 T90mm  
 T110mm  
 T160mm

### Equal Tee



Size x Wall Thickness(mm):  
 T63x32x63mm  
 T63x40x63mm  
 T63x50x63mm  
 T75x20x75mm  
 T75x25x75mm  
 T75x32x75mm  
 T75x40x75mm  
 T75x50x75mm  
 T75x63x75mm  
 T90x32x90mm  
 T90x40x90mm  
 T90x50x90mm  
 T90x63x90mm  
 T90x75x90mm  
 T110x20x110mm  
 T110x25x110mm  
 T110x32x110mm  
 T110x40x110mm  
 T110x50x110mm  
 T110x63x110mm  
 T110x75x110mm  
 T110x90x110mm  
 T160x90x160mm  
 T160x110x160mm

### Regular Clip



Size x Wall Thickness(mm):  
 ø16  
 ø20  
 ø25  
 ø32

### Special Reducing Tee



Size x Wall Thickness(mm):  
 T25x20x20mm  
 T25x25x20mm  
 T32x25x25mm  
 T32x20x25mm  
 T32x25x20mm  
 T32x32x25mm

### Straight Cross



Size x Wall Thickness(mm):  
 20mm  
 25mm  
 32mm  
 40mm  
 50mm  
 63mm

## Polypropylene Random (PPR)



**End Cap**

Size x Wall Thickness(mm):  
20mm  
25mm  
32mm  
40mm  
50mm  
63mm  
75mm  
90mm  
110mm



**Female Socket**

Size x Wall Thickness(mm):  
S20x3/8F  
S20x1/2F  
S20x3/4F  
S25x1/2F  
S25x3/4F  
S32x1/2F  
S32x3/4F  
S32x1F  
S40x11/4F  
S50x11/2F  
S63x2F  
S75x2 1/2F  
S90x3F  
S110x4F



**Male Socket**

Size x Wall Thickness(mm):  
S20x3/8M  
S20x1/2M  
S20x3/4M  
S25x1/2M  
S25x3/4M  
S32x1/2M  
S32x3/4M  
S32x1M  
S40x11/4M  
S50x11/2M  
S63x2M  
S75x2 1/2M  
S90x3M  
S110x4M



**Female Elbow**

Size x Wall Thickness(mm):  
L20x1/2F  
L20x3/4F  
L25x1/2F  
L25x3/4F  
L32x1/2F  
L32x3/4F  
L32x1F  
L40x11/4F  
L50x11/2F  
L63x2F



**Male Elbow**

Size x Wall Thickness(mm):  
L20x1/2M  
L20x3/4M  
L25x1/2M  
L25x3/4M  
L32x1/2M  
L32x3/4M  
L32x1M  
L40x11/4M  
L50x11/2M  
L63x2M



**Female Elbow With Pedestal**

Size x Wall Thickness(mm):  
ZL20x1/2F  
ZL20x3/4F  
ZL25x1/2F  
ZL25x3/4F  
ZL32x1F



**Male Elbow With Pedestal**

Size x Wall Thickness(mm):  
ZL20x1/2M  
ZL20x3/4M  
ZL25x1/2M  
ZL25x3/4M  
ZL32x1FM



**Female Tee**

Size x Wall Thickness(mm):  
T20x1/2F  
T20x3/4F  
T25x1/2F  
T25x3/4F  
T32x1/2F  
T32x3/4F  
T32x1F  
T40x11/4F  
T50x11/2F  
T63x2F



**Male Tee**

Size x Wall Thickness(mm):  
T20x1/2M  
T20x3/4M  
T25x1/2M  
T25x3/4M  
T32x1/2M  
T32x3/4M  
T32x1M  
T40x11/4M  
T50x11/2M  
T63x2M



**Female Flexible(Lighter)**

Size x Wall Thickness(mm):  
H20x1/2F  
H25x3/4F  
H32x1F



**Male Flexible(Lighter)**

Size x Wall Thickness(mm):  
H20x1/2M  
H25x3/4M  
H32x1M



**Female Union**

Size x Wall Thickness(mm):  
H32x1F  
H40x11/4F  
H50x11/2F  
H63x2F



**Special Female Union**

Size x Wall Thickness(mm):  
H20x3/4F  
H20x1"F  
H25x1/2F  
H25x1"F  
H32x3/4F  
H32x11/4F



**Male Union**

Size x Wall Thickness(mm):  
H20x1/2M  
H25x3/4M  
H32x1M  
H40x11/4M  
H50x11/2M  
H63x2M



**Special Male Union**

Size x Wall Thickness(mm):  
H20x3/4M  
H20x1"M  
H25x1/2M  
H25x1"M  
H32x3/4M  
H32x11/4M



**Double Union**

Size x Wall Thickness(mm):  
H20x1/2  
H25x3/4  
H32x1  
H40  
H50  
H63x2



**PPR Union**

Size x Wall Thickness(mm):  
H20  
H25  
H32  
H40  
H50  
H63



**Flange**

Size x Wall Thickness(mm):  
40mm  
50mm  
63mm  
75mm  
90mm  
110mm  
160mm



# Piping

## Polypropylene Random (PPR)

**Short-Bypass Bend**



Size x Wall Thickness(mm):  
20mm  
15mm  
32mm

**Bridge**



Size x Wall Thickness(mm):  
20mm  
15mm  
32mm

**Long-Bypass Bend**



Size x Wall Thickness(mm):  
20x2.8mm  
25x3.5mm  
32x4.4mm

**Plug**



Size x Wall Thickness(mm):  
1/2"mm  
3/4"mm  
1"mm

**Test Plug**



Size x Wall Thickness(mm):  
1/2"mm

**Plastic Ball Valve**



Size x Wall Thickness(mm):  
20mm  
25mm  
32mm  
40mm  
50mm  
63mm

**Double Brass Ball Valve**



Size x Wall Thickness(mm):  
20mm  
25mm  
32mm  
40mm  
50mm  
63mm

**Male Brass Ball Valve**



Size x Wall Thickness(mm):  
20x1/2M  
25x3/4M  
32x1" M

**Female Brass Ball Valve**



Size x Wall Thickness(mm):  
20x1/2F  
25x3/4F  
32x1" F

**Stop Valve**



Size x Wall Thickness(mm):  
20mm  
25mm  
32mm  
40mm  
50mm  
63mm  
75mm  
90mm  
110mm

**Heavy Stop Valve**



Size x Wall Thickness(mm):  
20mm  
25mm  
32mm  
40mm  
50mm  
63mm  
75mm  
90mm

**Triangle Concealed Valve**



Size x Wall Thickness(mm):  
20mm  
25mm  
32mm

**New Luxury Stop Valve**



Size x Wall Thickness(mm):  
20mm  
25mm  
32mm

**Concealed Valve**



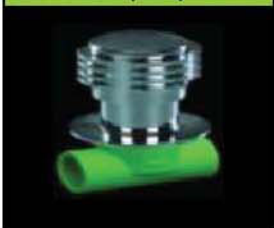
Size x Wall Thickness(mm):  
20mm  
25mm  
32mm

**Luxury Ball Valve**



Size x Wall Thickness(mm):  
20mm  
25mm  
32mm

**New Luxury Stop Valve**



Size x Wall Thickness(mm):  
20mm  
25mm  
32mm

**Buckle With Seat**



Size x Wall Thickness(mm):  
ø16A  
ø18  
ø20  
ø25  
ø32

**Low-Foot Clamp**



Size x Wall Thickness(mm):  
ø16  
ø20  
ø25  
ø32  
ø40