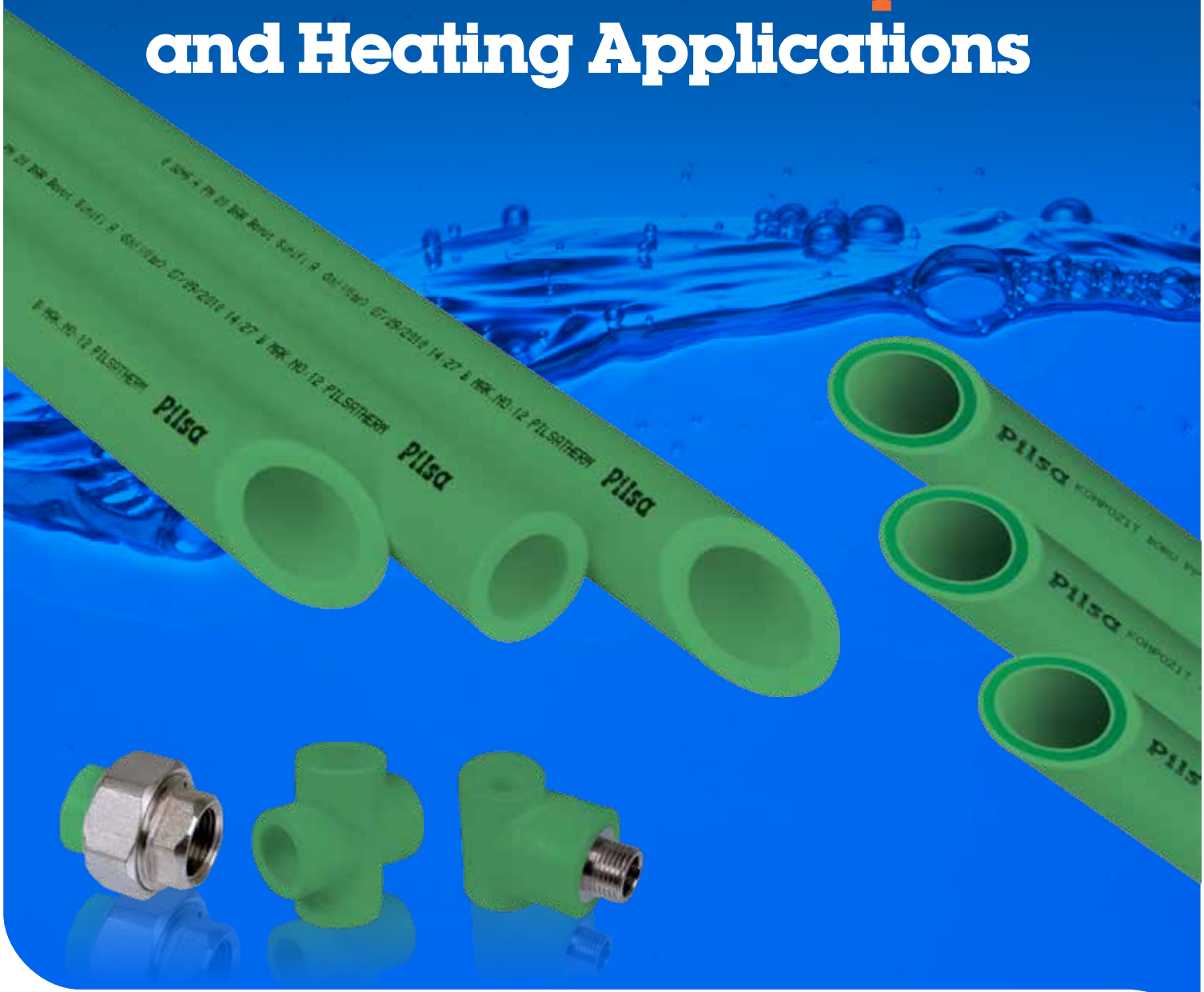
Product Guide

PP-R and PP-RCT Pipe Systems

Hot and Cold Water Systems and Heating Applications



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Building & Infrastructure

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Pilsa
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Fore Word

Pilsa Plastic Products Inc. started production in 1971 and has always been a leader in the plastic sector in Turkey with a wide range of plastic pipe systems which are produced at the company's manufacturing site in Adana.

In the beginning of January 2008 Pilsa Products Inc. has become a member of WAVIN Group which is located in Netherlands. Wavin is now a global leader in the supply of plastic pipe systems and solutions for both above and below ground applications in projects around the world. Since the 1950's, we have built an unrivalled reputation for continuous innovation, intelligent problem-solving, dedicated technical support and the highest standards.

Today, as part of the Mexichem Group, around 5,500 Wavin employees deliver the benefits of our technology and service for our customers. We have sales and manufacturing operations in most European countries. Beyond Europe, we maintain an international network of approximately 120 agents, licensees and distributors with representation all over the world.

Quality is number one concern of Pilsa and all products conform with the Turkish Standards and DIN Standards. Pilsa Products has received Certificates of Conformity also has ISO 9001 certificate besides TSE, TSEK, GOST-R.

Pilsa is well known throughout Turkey not only with its top quality products, but also with the wide distribution system through the dealers' network and service organization.

Pilsa PP-R Pipes are manufactured in compliance with European / Turkish & German Standards (TS EN ISO 15874), DIN 8077, DIN 8078. Our products are approved and certified by GOST (Russia), Ukrania Standard (Ukrania), AENOR (Spain), DVGW (Germany) Bulgaria and have the certificates of guarantee obtained from the Turkish Standards Institute (TSE).

Pilsa PP-R Pipes and Fittings also have the Hygiene certificate.

Extensive Product Range

Above Ground Product Groups:

- PPR&PPRCT Pipes & Fittings + Aluminium Foiled PPR Pipes and Composite PPR & PPRCT Pipes
- PEX and Pert Pipes - Covered PEX and Pert Pipes and Fittings
- OXY PEX and Pert Pipes - Covered OXY PEX and Pert Pipes
- Wavin SiTech+ and SiTech B1 low noise systems
- Wavin Quickstream Rainwater Management Systems
- U-PVC Soil and Waste System
- HepVO Waste Valve

Below Ground Product Groups:

- HDPE Corrugated Pipes & Fittings
- U-PVC Pressure Pipes & Fittings
- PE Pipes (PE 32 - PE 100)
- Wavin PE Fittings (Electrofusion - Spigot)
- U-PVC Land Drainage Pipes & Fittings
- Wavin Plastic Manholes (Inspection Chambers) & Fittings
- Apollo O-PVC Pressure Pipes & Fittings

Why Pilsa?

Being one of the most powerful firms in the country in the plastics sector, PILSA gives the utmost importance to quality and:

- Uses the most appropriate raw material,
- Has the most advanced high technology,
- Produces pipes in compliance with Turkish (TS), European (EN) and German(DIN) Standards,
- Pipes produced can be used not only to carry water but a wide range of fluids,
- Has qualified technical staff at your service to solve your problems,
- Our name stands for quality.

Why Pilsatherm Pipe?

Pilsatherm has got the following advantages:

- Not dangerous to human life, non-toxic, non-cancerous,
- Low cost of transportation, loading and unloading,
- Has much longer service life compared to other piping systems,
- Has high resistance against corrosion,
- Can easily be connected to any kind of pipe. Due to low cost of plumbing, it has a wide range of applications,
- Water is one of the most important compounds contributing to human life; PILSA. Pipes carry this vital fluid to your households in an easy, healthy way at a low cost.

New Pilsa Plus Pipes

Pilsa PLUS is a new product of Wavin Pilsa with improved characteristics. A pipe made of the raw material PP-RCT the new generation polypropylene designed for hot and cold water systems.

- It is the better pipe with higher flow rate, improved pressure resistance and easier to handle.
- It has improved pressure resistance at higher temperatures for long term period.
- It has 37 % larger inner flow area
- Larger inner bore and better flow rates
- Easier to carry, install and handle
- Pilsa Plus can be used with all standard Pilsa PP-R fittings
- Available in different color options

Technical Properties Of Pilsatherm Pipes And Fittings

- Raw material: Polypropylene Random Copolymer,
- Superior physical characteristics at 90°C,
- High chemical resistance,
- Definite solutions to calcification and corrosion,
- No bacteria and moss reproduction within the pipes,
- Light, easy to install and low labor cost of installation,
- Safe to use various pressurized liquids and gas,
- No reduction in diameter at welding points,
- Longer service life (50 years)
- Isolation is not necessary in the buildings,
- SDR 6 Pipes operation pressures: 30 bars at 20°C, 15 bars at 60°C, 10 bars at 70°C for a service life of 50 years.
- Operation temperature is between 70°C-90°C; it does not absorb water. It can easily be used in hot humid environment.
- Can be used in drinking water systems and has a quality certificate issued by the Ministry of Health and Hygiene-Institute

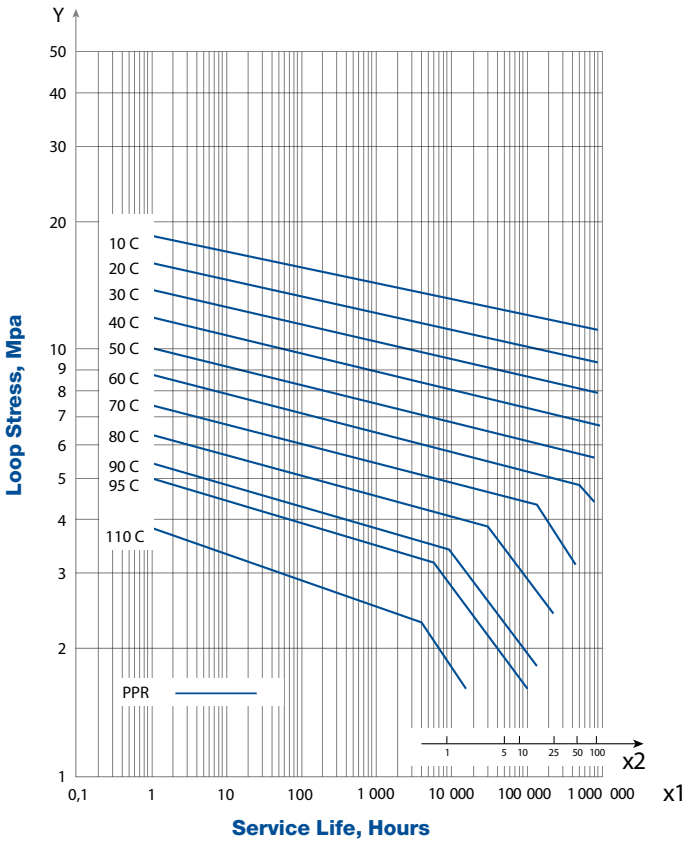
New BasaltTherm Pipe

- Basalt fiber is made by pulping melted basalt stones of suitable composition.
- It is very durable and flexible and used in many different industries.
- Properties of basalt fiber significantly exceed glass fiber.
- Manufacturing of basalt fiber is very ecological and 100% recyclable
- 4-x lower linear thermal expansion,
- No need to shave before welding
- Higher pressure resistance at higher temperatures by up to 50%
- Temperature resistance up to 90°C
- Higher flow rate by up to 20%

PHYSICAL AND MECHANICAL PROPERTIES OF RAW MATERIAL - PP-R

Properties	Testing Conditions	Unit	Testing Method	Result
MRS Classification	20°C, extrapolation 50 years	MPa	ISO 9080	10
Density	23°C	g/cm^3	ISO 1183	0,89 - 0,91
Melting Flow Index MFI	190°C, 5 kg	g/10dk g/10min	ISO 1133	0,4 - 0,6
	230°C, 2,16 kg			0,2 - 0,5
	230°C, 5 kg			0,8 - 1,3
Tensile Stress at Yield	23°C, 50 mm/dk 50 mm/min	MPa	ISO 527	23 - 28
Tensile Strain at Yield	23°C, 50 mm/dk 50 mm/min	%	ISO 527	min %10
Elasticity Modulus	23°C, 1 mm/dk 1 mm/min	MPa	ISO 527	800 - 1000
Charpy Notched Impact Strength	0°C	kJ/m^2	ISO 179	>3,5
Thermal Conductivity	-	W/(m K)	DIN 52612	0,24
Coefficient of Thermal Expansion (0°C/90°C)	-	1/K	DIN 53752	1,5*10^{-4}

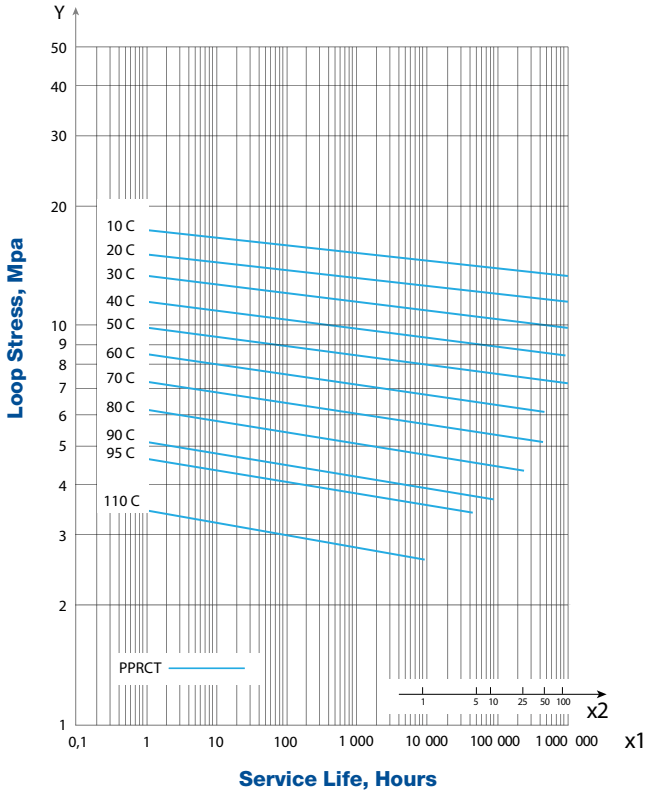
ISOTHERMAL MECHANICAL STRENGTH GRAPHIC FOR PP-R



PHYSICAL AND MECHANICAL PROPERTIES OF RAW MATERIAL - PP-RCT

Properties	Testing Conditions	Unit	Testing Method	Result
MRS Classification	20°C, extrapolation 50 years	MPa	ISO 9080	11,2
CRS Classification	70°C, extrapolation 50 years	MPa	ISO 9080	5,3
Density	23°C	g/cm^3	ISO 1183	0,89 - 0,91
Melting Flow Index MFI	190°C, 5 kg	g/10dk g/10min	ISO 1133	0,4 - 0,6
	230°C, 2,16 kg			0,2 - 0,5
	230°C, 5 kg			0,8 - 1,3
Tensile Stress at Yield	23°C, 50 mm/dk 50 mm/min	MPa	ISO 527	23 - 28
Tensile Strain at Yield	23°C, 50 mm/dk 50 mm/min	%	ISO 527	min %10
Elasticity Modulus	23°C, 1 mm/dk 1 mm/min	MPa	ISO 179	800 - 900
Charpy Notched Impact Strength	0°C	kJ/m^2	ISO 179	9,5
Izod Notched Impact Strength	0°C	kJ/m^2	DIN 52612	17
Thermal Conductivity	-	W/(m K)	DIN 52612	0,24
Coefficient of Thermal Expansion (0°C/90°C)	-	1/K	DIN 53752	1,5*10^{-4}

ISOTHERMAL MECHANICAL STRENGTH GRAPHIC FOR PP-RCT



OPERATING PARAMETERS FOR PP-R & PP-RCT PIPES

		PP-R Pipe / Glass Fiber Reinforced PP-R Pipe / Aluminium Foiled PP-R Pipe			PP-RCT Pipe / Basalt Reinforced PP-RCT Pipe		
		Operating Pressure			Operating Pressure		
Temp °C	**Life (year)**	**S 2,5 SDR 6**	**S 3,2 SDR 7,4**	**S 5 SDR 11**	**S 3,2 SDR 7,4**	**S 4 SDR 9**	**S 5 SDR 11**
10	1 5 10 25 50 100	35,1 33,0 32,2 31,1 30,3 29,6	27,8 26,2 25,6 24,7 24,1 23,5	17,5 16,5 16,1 15,6 15,2 14,8	30,2 29,3 28,9 28,4 28,0 27,6	24,0 23,2 22,9 22,5 22,2 21,9	19,0 18,4 18,2 17,9 17,7 17,4
20	1 5 10 25 50 100	29,9 28,1 27,4 26,4 25,7 25,0	23,7 22,3 21,7 21,0 20,4 19,9	15,0 14,1 13,7 13,2 12,9 12,5	26,3 25,4 25,1 24,6 24,3 24,0	20,9 20,2 19,9 19,6 19,3 19,0	16,6 16,0 15,8 15,5 15,3 15,1
30	1 5 10 25 50 100	25,4 23,8 23,2 22,3 21,7 21,1	20,2 18,9 18,4 17,7 17,2 16,8	12,7 11,9 11,6 11,2 10,9 10,6	22,7 22,0 21,7 21,2 20,9 20,6	18,1 17,4 17,2 16,9 16,6 16,4	14,3 13,9 13,6 13,4 13,2 13,0
40	1 5 10 25 50 100	21,6 20,2 19,6 18,8 18,3 17,8	17,1 16,0 15,5 15,0 14,5 14,1	10,8 10,1 9,8 9,4 9,2 8,9	19,6 18,9 18,6 18,2 17,9 17,6	15,5 15,0 14,7 14,4 14,2 14,0	12,3 11,9 11,7 11,5 11,3 11,1
50	1 5 10 25 50 100	18,2 17,0 16,5 15,9 15,4 14,9	14,5 13,5 13,1 12,6 12,2 11,8	9,1 8,5 8,2 7,9 7,7 7,5	16,7 16,4 15,8 15,5 15,2 15,0	13,3 12,8 12,6 12,3 12,1 11,9	10,5 10,1 10,0 9,7 9,6 9,4
60	1 5 10 25 50	15,4 14,3 13,9 13,3 12,9	12,2 11,3 11,0 10,5 10,2	7,7 7,1 6,9 6,6 6,4	14,2 13,6 13,4 13,1 12,8	11,2 10,8 10,6 10,4 10,2	8,9 8,6 8,4 8,2 8,1
70	1 5 10 25 50	12,9 12,0 11,6 10,0 8,5	10,3 9,5 9,2 8,0 6,7	6,5 6,0 5,8 5,0 4,2	11,9 11,4 11,2 10,9 10,7	9,4 9,1 8,9 8,7 8,5	7,5 7,2 7,0 6,9 6,8
80	1 5 10 25	10,8 9,6 8,1 6,5	8,6 7,6 6,4 5,1	5,4 4,8 4,0 3,2	9,9 9,5 9,3 9,1	7,9 7,5 7,4 7,2	6,2 6,0 5,9 5,7
95	7,6 5,2 4,3	1 5 10	6,1 4,1 (3,4)	3,8 2,6 (2,2)	7,4 7,1 (6,9)	5,9 5,6 (5,5)	4,7 4,4 (4,3)

***Safety Factor (C): 1,5**

Pipes and fittings

PilsaTherm Pipe (4mt)

D (mm)	t (mm) (10 Bar)	t (mm) (16 Bar)	t (mm) (20 Bar)	s 5 SDR 11 PN 10	s 3,2 SDR 7,4 PN 16	s 2,5 SDR 6 PN 20	Bundle
20	1.9	2,8	3.4	3032849	3040251	3033265	25
25	2.3	3,5	4.2	3032850	3040252	3033266	20
32	2.9	4,4	5.4	3032694	3040253	3033203	10
40	3.7	5,5	6.7	3032851	3040254	3033267	5
50	4.6	6,9	8.3	3032852	3040255	3033268	5
63	5.8	8,6	10.5	3032853	3040256	3032858	3
75	6.8	10,3	12.5	3033218	3040257	3033221	2
90	8.2	12,3	15.0	3033219	3040258	3032775	2
110	10.0	15,1	18.3	3032695	3040259	3033204	1
125	11.4	17,1	20.8	3032696	3040260	3032699	1
160	14.6	21,9	26.6	3050870	-	3040272	1
200	18.2	27,4	33.2	-	-	3040273	1

GlassFiber Reinforced PP-R Pipe

D (mm)	t (mm) (25 Bar)	s 2,5 SDR 6 PN 25	Bundle
20	3.4	3052129	25
25	4.2	3052131	20
32	5.4	3052133	10
40	6.7	3052135	5
50	8.3	3052136	5
63	10.5	3052137	3
75	12.5	3072615	2
90	15.0	3072616	2
*110	18.3	-	1
125	20.8	3052138	1

* For 110 mm diameter, please contact with Wavin Pilsa.

Aluminium Foiled PP-R Pipe

D (mm)	t (mm) (25 Bar)	s 2 SDR 5 PN 25	Bundle
20	4,1	3052015	20
25	5,1	3052020	15
32	6,5	3052025	10
40	8,1	3052030	5
50	10,1	3052034	5
63	12,7	3052038	3
75	15,1	3052043	2
90	18,1	3052047	2
110	22,1	3052051	1

Pilsa Plus Pipe (4mt)

D (mm)	t (mm)	s 4 SDR 9 PN 22	Bundle
20	2,3	3065542	25
25	2,8	3065543	20
32	3,6	3065544	10
40	4,5	3065545	5
50	5,6	3065546	5
63	7,1	3065547	3
75	8,4	3065548	2
90	10,1	3065549	2
110	12,3	3065550	1
125	14	3065551	1

Basalt Reinforced PP-RCT Pipe (4mt)

D (mm)	t (mm)	s 4 SDR 9 PN 22	s 3,2 SDR 7,4 PN 25	Bundle
20	2.8	-	3052419	25
25	3.5	-	3052420	20
32	4.4	-	3052421	10
40	5.5	-	3052422	5
50	6.9	-	3052423	5
63	8.6	-	3052424	3
75	8.4	3052425	-	2
90	10.1	3052426	-	2
110	12.3	3052427	-	1
125	14.0	3052428	-	1

Socket

D (mm)	Sap Codes	Bag	Box
20	3033270	50	600
25	3033271	40	400
32	3033272	20	240
40	3033273	15	120
50	3033274	10	100
63	3032865	6	48
75	3032866	6	30
90	3032776	1	24
110	3033275	1	10
125	3033276	1	10

Pipes and fittings

Elbow (90°)

D (mm)	Sap Codes	Bag	Box
20	3032870	50	450
25	3033222	50	300
32	3033278	25	150
40	3033279	10	80
50	3033280	5	40
63	3032874	5	25
75	3033281	3	15
90	3033282	1	8
110	3033283	1	4
125	3033284	1	4

Elbow Long

D (mm)	Sap Codes	Bag	Box
25x1/2	4049358	25	150

Elbow (45°)

D (mm)	Sap Codes	Bag	Box
20	3033286	50	400
25	3032881	50	250
32	3033287	20	120
40	3033288	10	100
50	3033289	8	48
63	3032780	4	24
75	3032885	3	18

ElbowF/M 45°

D (mm)	Sap Codes	Bag	Box
20	3051548	50	400

Elbow (Female-Male) 90°

D (mm)	Sap Codes	Bag	Box
20	3033285	50	500
25	3033223	30	300
25/20	3033224	30	300

Bend

D (mm)	Sap Codes	Bag	Box
20	3039987	30	300

Tee

D (mm)	Sap Codes	Bag	Box
20	3033290	30	240
25	3033291	25	150
32	3032889	15	90
40	3032890	5	50
50	3033292	4	32
63	3033293	3	18
75	3033294	2	12
90	3033295	1	6
110	3033296	1	4
125	3033297	1	3

Cross Tee

D (mm)	Sap Codes	Bag	Box
20	3033319	25	200
25	3033320	15	150
32	3032925	10	90
40	3033321	5	50
50	3033225	3	24

Manchon Union PN 10

D (mm)	Sap Codes	Bag	Box
20	3040972	15	180
25	3033341	10	120
32	3033342	5	60
40	3033343	5	40
50	3032951	4	32

Unequal Tee

D1 D2 D3	Sap Codes	Bag	Box
20/25/20	3040002	25	150
25/20/20	3039999	25	150
25/20/25	3040000	25	150
25/25/20	3033298	25	150
32/20/20	3051556	15	90
32/20/25	3045670	15	90
32/20/32	3033300	15	90
32/25/20	3045671	15	90
32/25/25	3033302	15	90
32/25/32	3033301	15	90
32/50/32	3032902	4	32
40/20/40	3032903	5	50
40/25/40	3033303	5	50
40/32/40	3033304	5	50
40/50/40	3033305	4	32
50/20/50	3033307	5	50
50/25/50	3033308	4	32
50/32/32	3045674	4	32
50/32/40	3045676	4	32
50/32/50	3033309	4	32
50/40/32	3045675	4	32
50/40/40	3045672	4	32
50/40/50	3033306	4	32
50/50/32	3045677	4	32
50/50/40	3045673	4	32
63/20/63	3041940	2	20
63/25/63	3033310	2	20
63/32/63	3033311	2	20
63/40/63	3032913	2	20
63/50/63	3033312	2	20
75/20/75	3032915	1	12
75/25/75	3033313	1	12
75/32/75	3033314	1	12
75/40/75	3033315	1	12
75/50/75	3032919	1	12
75/63/75	3033316	1	12
90/75/90	3033317	1	8
110/90/110	3033318	1	4

Female-Female Reducer

D (mm)	Sap Codes	Bag	Box
25/20	3033228	30	300
32/20	3051568	25	250
32/25	3032946	25	250

Female-Male Reducer

D (mm)	Sap Codes	Bag	Box
25/20	3040003	40	560
32/20	3033227	30	300
32/25	3033226	30	300
40/20	3033323	30	240
40/25	3033324	30	240
40/32	3033325	20	200
50/20	3033326	20	200
50/25	3033327	25	200
50/32	3033328	15	150
50/40	3033329	10	120
63/25	3033330	10	120
63/32	3033331	10	120
63/40	3033332	5	80
63/50	3033333	5	60
75/50	3033334	5	50
75/63	3033335	5	40
90/63	3033336	4	36
90/75	3032784	2	24
110/63	3033337	1	18
110/75	3033338	1	18
110/90	3040976	1	18
125/110	3033339	1	13

Flange Adaptor

D (mm)	Sap Codes	Bag	Box
40	3033344	25	250
50	3033345	15	150
63	3033346	10	80
75	3033347	4	36
90	3033348	4	36
110	3033349	2	20

Saddle

D (mm)	Sap Codes	Bag	Box
63/20	3033354	50	600
63/25	3033355	50	600
75/20	3033356	50	600
75/25	3033357	50	600
90/20	3033358	50	600
90/25	3033359	50	600
110/20	3033360	50	600
110/25	3033361	50	600

Pipes and fittings

Crossover Bridge

D (mm)	Sap Codes	Bag	Box
20	3051566	15	150
25	3051567	10	100
32	4056718	4	56

Bridge

D (mm)	Sap Codes	Bag	Box
20	3032960	15	135
25	3033352	10	90
32	3032786	5	45
40	3033353	3	27

Short Bridge

D (mm)	Sap Codes	Bag	Box
20	4047834	30	240
25	4047835	25	150

Tee w/ V Type Bridge

D (mm)	Sap Codes	Bag	Box
20/20/20	3074995	10	100
25/25/25	3074996	10	100
25/20/25	3074997	5	50
32/25/32	3074998	5	50

Clips

D (mm)	Sap Codes	Bag	Box
20	3033503	100	1200
25	3033504	80	960
32	3033505	50	500
40	3033491	40	320
50	3033506	25	200

Double Clips

D (mm)	Sap Codes	Bag	Box
32	3042396	25	200

End Cap

D (mm)	Sap Codes	Bag	Box
20	3033363	100	800
25	3033494	80	640
32	3033495	50	400
40	3033496	25	200
50	3033367	10	100
63	3033368	10	80
75	3033369	6	48
90	3033497	4	32
110	3033498	2	16

Male Threaded End Cap

D (mm)	Sap Codes	Bag	Box
20	3033499	100	1000
25	3033500	80	640
32	3033501	50	400

Female Threaded Adaptor

D (mm)	Sap Codes	Bag	Box
20x1/2	3033230	20	320
20x3/4	3033000	20	240
25x1/2	3033391	25	250
25x3/4	3033392	20	280
32x3/4	3033393	10	120
32x1	3033394	10	120

Male Threaded Adaptor

D (mm)	Sap Codes	Bag	Box
20x1/2	3033381	25	250
20x3/4	3033382	20	200
25x1/2	3033383	15	240
25x3/4	3033384	15	150
32x3/4	3033385	10	100
32x1	3033386	10	100

Female Threaded Tee

D (mm)	Sap Codes	Bag	Box
20x1/2x20	3033406	25	200
20x3/4	3033407	20	140
25x1/2x25	3033408	20	120
25x3/4x25	3033409	15	120
32x1	3033410	10	70

Male Threaded Tee

D (mm)	Sap Codes	Bag	Box
20x1/2x20	3033411	15	150
20x3/4	3033412	10	130
25x1/2x25	3033413	10	100
25x3/4x25	3033414	10	100
32x1	3033415	10	60

Female Threaded Elbow

D (mm)	Sap Codes	Bag	Box
20x1/2	3033402	25	250
20x3/4	3033403	20	280
25x1/2	3033235	20	160
25x3/4	3033404	15	180
32x3/4	3039138	10	100
32x1	3033405	10	100

Male Threaded Elbow

D (mm)	Sap Codes	Bag	Box
20x1/2	3033399	25	200
25x1/2	3033234	10	140
25x3/4	3033400	20	160
32x3/4	3051549	10	80
32x1	3033013	10	80

Underplaster Female Elbow

D (mm)	Sap Codes	Bag	Box
20	3039983	20	200
25	3039984	15	180

Adjustable Underplaster Female Elbow

D (mm)	Sap Codes	Bag	Box
20x1/2	3033240	2	24

Double Stable Underplaster Female Elbow

D (mm)	Sap Codes	Bag	Box
20x1/2	4047840	5	60
25x1/2	4047841	5	60

Bide Nozzle Part Female

D (mm)	Sap Codes	Bag	Box
20x1/2	3051585	10	60

Pipes and fittings

Valve

D (mm)	Sap Codes	Bag	Box
20	3033416	5	70
25	3033031	5	70
32	3033417	3	42
40x1 1/4	3041398	3	30

Ball

D (mm)	Sap Codes	Bag	Box
20	3033418	5	120
25	3033419	5	120
32	3033420	5	80
40	3070081	4	48
50	3070082	2	28
63	3070083	1	15
75	3070084	1	12

Chrome Valve

D (mm)	Sap Codes	Bag	Box
20x1/2	3072160	1	60
25	3033455	1	60
32	3033456	1	50

Chrome Ball Valve

D (mm)	Sap Codes	Bag	Box
20	3051573	1	60
25	3051574	1	60

Decorative Valve

D (mm)	Sap Codes	Bag	Box
20x1/2	3072163	1	60
25	3033425	1	60
32	3033426	1	50

Metal Female Threaded Union (Hexagonal Shaped)

D (mm)	Sap Codes	Bag	Box
20x1/2”	3033507	10	120
25x3/4”	3033508	10	80
32x3/4”	3033509	5	60
32x1”	3033510	5	60
40x1 1/4”	3033492	2	24
50x1 1/2”	3033238	2	24
63x2”	3033511	2	18
25x3/4” NG	3051577	10	80
32x1” NG	3051578	5	60
40x1 1/4” NG	3051579	2	24
50x1 1/2” NG	3051580	2	24

*NG codes have less weight than others

Female Threaded Adaptor (Hexagonal Shaped)

D (mm)	Sap Codes	Bag	Box
32x1	3033465	10	60
40x1 1/4	3033395	10	40
50x1 1/2	3033231	4	24
63x2	3033232	2	14
75x2 1/2	3033233	2	12
90x3	3033396	1	5
110x4	3033397	1	4

Metal Male Threaded Union (Hexagonal Shaped)

D (mm)	Sap Codes	Bag	Box
20x1/2”	3033512	10	120
25x3/4”	3033513	10	80
32x1”	3033515	5	50
40x1 1/4”	3033239	2	24
50x1 1/2”	3033516	2	20
63x2”	3033517	2	16

*NG codes have less weight than others

Male Threaded Adaptor (Hexagonal Shaped)

D (mm)	Sap Codes	Bag	Box
32x1”	3033461	5	40
40x1 1/4”	3033387	5	25
50x1 1/2”	3033388	2	16
63x2”	3033389	1	10
75x2 1/2”	3040973	1	6
90x3”	3040974	1	5
110x4”	3040975	1	3

Adaptor With Nut

D (mm)	Sap Codes	Bag	Box
20x1/2	3051570	30	300
20x3/4	3042179	30	300

Shifting Nipple

D (mm)	Sap Codes	Bag	Box
20x1/2	4047825	10	120
20x3/4	4047826	10	120
25x1/2	4047827	10	120
25x3/4	4047828	10	120

Welding Machine Set

D (mm)	Sap Codes	Box
16-40	3033236	5
50-110	3040363	1

Welding Head

D (mm)	Sap Codes	Box
20	3033427	50
25	3033428	50
32	3033429	50
40	3033430	50
50	3033431	50
63	3033432	30
75	3033433	30
90	3033434	30
110	3033435	20
125	3033436	10

Shaver

D (mm)	Sap Codes	Box
20-25	3040365	100
32-40	3040366	100
50-63	3040367	100
75	3040368	100
75-90	4046749	100
110	4046750	20

Cutter

D (mm)	Sap Codes	Box
	3033042	30
40-63	4047816	20

PE-RT Pipe with Oxygen Barrier

the most flexible heating system

The term PE-RT pipe is short for heat-resistant PE pipe. (PE Raised Temperature)

Wavin uses new generation Type 2 PE-RT with raised pressure strength as a raw material in its manufacturing.

The raw PE-RT ensures long-term hydrostatic strength at high temperatures without any of the crosslinking observed in Pex pipes.

As it does not contain any chemical additive resulting in crosslinking, it is suitable for use with potable water and does not pose any threat to human health.

Packaged in a coil Wavin PE-RT pipes have a very flexible structure and can be installed relatively easily.

Thanks to their special formulated layer, Wavin Oxy PE-RT pipes protect metal components installed in the system such as pumps, valves and radiators against corrosion by preventing the permeability of oxygen at a level close to 100%. Thus, the life of the system components is extended, while repair and maintenance costs are minimized.

1. **Surface layer: Special layer preventing the permeability of oxygen**
2. **Internal layer: PE-RT layer resistant to high temperature and pressure**

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Producto Certificado

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global group ISO 9001 | ISO 14001 UKAS MANAGEMENT SYSTEMS 5965

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