BROOKPLAST

PP- R PIPING SYSTEMS

Bin Brook Plastic Industries

A complete product range for HOT and COLD water distribution system

PRODUCT CATALOGUE

ISO 9001
BUREAU VERITAS
Certification

Quality
Commitment
Technology
Innovation

CONTENTS

INTRODUCTION

Bin Brook Plastic Industries commenced the production of full range UPVC and Polyethylene Pipes in the year 1999. Today, the Company is known to be the most up to date and sophisticated plastic pipe manufacturing company in the United Arab Emirates.

Right from the very beginning, we have made a commitment to uphold the quality standards that make us a reliable supplier of quality plastic pipes to this region and growing international markets. The company has embodied a philosophy to employ the latest technology and know-how to manufacture a quality range of products.

Today, Polypropylene (PPR) Bin Brook Plastic Ind. (Brook Plast) PP-R Pipes and Fittings are manufactured according to German DIN standards with sizes ranging from 20 mm up to 110 mm. The outstanding temperature rating up to 90°C and pressure rating up to 25 bar, makes PP-R System the ideal solution for wide variety of applications including:

- Hot and cold potable water piping networks in residential and commercial buildings
- Heating systems
- Chilled water networks in air conditioning systems, as an effective light weight and corrosion free substitute for steel pipes
- Transport wide range of chemicals in the industry
- Piping networks for rainwater utilization systems and swimming pools facilities
- Compressed air installations and other Industrial applications

BP

MATERIALS

Polypropylene is one of the most commonly used thermoplastic piping material for hot and cold water distribution. Brookplast PP-R pipes and fittings are produced from the raw materials of highest grade, which is hygienic and ensures safety during its service life.

The exceptional heat stability of PP-R material provides the system service life in excess of 50 years.

QUALITY ASSURANCE

Bin Brook Plastic Industries operate a quality assurance system in accordance with ISO 9001:2015 and has been successfully assessed in this respect. The standards covers all aspects of product manufacture and inspection. Our recognition by BVQI as a firm of assessed capability to ISO 9001 is your assurance that our products are manufactured to uncompromising quality standards.

From the receipt of bulk resin to the final stages of production, we maintain a rigorous quality control program. Using the advanced procedures, equipments and test software both on-line QC checks and in-lab are conducted. Company's in-house laboratory is one of the best in the region and is equipped with most modern computerized testing apparatus.

The company holds prestigious quality certification for PP-R pipes from SKZ Germany.

Bureau Veritas Certification

BIN BROOK PLASTIC INDUSTRIES

LAND NO. 17, STREET NO. 8, LEETAG, INDUSTRIAL AREA,
AL SANAYA ROAD, P.O. BOX: 16227,
AL AIN, UNITED ARAB EMIRATES

This is a multi-site certificate, additional site(s) are listed on the next page(s)

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015
Scope of certification

MANUFACTURING AND DISPATCH OF THERMOPLASTIC PIPES AND FITTING

Original cycle start date:	06 October 2001
Expiry date of previous cycle:	20 June 2022
Certification / Recertification Audit date:	29 April 2022
Certification / Recertification cycle start date:	19 May 2022

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **20 June 2025**

Certificate No. MER.22.416/UQ Version: 01 Issue date: 16 May 2022

UKAS

ZERTIFIKAT SKZ

SKZ - Testing GmbH awards the following company

Bin Brook Plastic Industries
Industrial Area
P.O. Box 16227
AL AIN
UNITED ARAB EMIRATES

Production site: Bin Brook Plastic Industries, UAE-AL AIN

*the right to use the **SKZ** testing and inspection mark*

SKZ

A 791

for the following plastic products

Pressure pipes made of polypropylene PP-R, group 1

Trade name: Brookplast

***SKZ** specification for tests and inspection **HR 3.10**:2016-03*

*Users of the **SKZ** mark are obliged to observe the required regulations for the production and testing of these products.*

Date of initial certification: ---

Date of expiry: 16 December 2023

Würzburg, 17 December 2018

SKZ

i.V.
Dipl.-Ing. Hans-Peter Krause
Head of Certification Body

The original language of this certificate is German. In case of doubt, the German version is obligatory.

SKZ - Testing GmbH, Friedrich-Bergius-Ring 22, 97076 Würzburg, Germany, Tel.: +49 931 4104-0, testing@skz.de, www.skz.de

MAXIMUM OPERATIONAL PRESSURES

Maximum operational pressures for pipes consisting of PP-R,
For water safety factor(SF) - 1.25 DIN 8077

TABLE 2

Temperature	Operating years	Pn10	Pn16	Pn20	Pn25
		Diameter Wall Thickness SDR			
		11	7.4	6	5
		Permissible Operational Pressure			
10	1	21.1	33.4	42.1	53.0
	5	19.8	31.5	39.7	49.9
	10	19.3	30.7	38.6	48.7
	25	18.7	29.7	37.4	47.0
	50	18.2	28.9	36.4	45.9
	100	17.8	28.2	35.5	44.7
20	1	18.0	28.5	35.9	45.2
	5	16.9	26.8	33.7	42.5
	10	16.4	26.1	32.8	41.4
	25	15.9	25.2	31.7	39.9
	50	15.4	24.5	30.9	38.9
	100	15.0	23.9	30.2	37.8
30	1	15.3	24.2	30.5	38.5
	5	14.3	22.7	28.6	36.0
	10	13.9	22.1	27.8	35.0
	25	13.4	21.3	26.8	33.8
	50	13.0	20.7	26.1	32.9
	100	12.7	20.1	25.4	31.9
40	1	13.0	20.6	25.9	32.6
	5	12.1	19.2	24.2	30.5
	10	11.8	18.7	23.5	29.6
	25	11.3	18.0	22.6	28.5
	50	11.0	17.4	22.0	27.7
	100	10.7	16.9	21.4	26.9
50	1	11.0	17.4	21.9	27.6
	5	10.2	16.2	20.4	25.7
	10	9.9	15.7	19.8	25.0
	25	9.5	15.1	19.0	24.0
	50	9.2	14.7	18.5	23.3
	100	9.0	14.2	17.9	22.6
60	1	9.2	14.7	18.5	23.3
	5	8.6	13.6	17.2	21.6
	10	8.3	13.2	16.6	21.0
	25	8.0	12.7	16.0	20.1
	50	7.7	12.3	15.5	19.5
70	1	7.8	12.3	15.5	19.6
	5	7.2	11.4	14.4	18.1
	10	7.0	11.1	13.9	17.5
	25	6.0	9.6	12.1	15.2
	50	5.1	8.1	10.2	12.8
80	1	6.5	10.3	13.0	16.4
	5	5.7	9.1	11.5	14.5
	10	4.8	7.7	9.7	12.2
	25	3.9	6.2	7.8	9.8
95	1	4.6	7.3	9.2	11.6
	5	3.1	4.9	6.2	7.8
	(10)	(2.6)	(4.1)	(5.2)	(6.6)

INSTALLATION

WELDING AND JOINTING

The reliability of installed pipes depends on the connection's tightness, stability and lifetime. The Polyfusion welding technique allows real molecular fusion between two parts and hence creates a homogeneous connection. The resulting joints are durable and are as strong as the pipe itself.

STEPS FOR POLYFUSION WELDING

- Cut the pipe perpendicular to its axis using suitable cutter.
- Clean the surface of the pipes and fittings to be welded.
- When the welding machine attains the fusion temperature (260 $\pm 5^{0}$C), heat the pipe and fitting for the time as mentioned in the following table. Then join It without twisting.
- After proper cooling, the joints can be used.

Pipe diameter (mm)	Welding depth (mm)	Heating time (sec.)	Welding time (sec.)	cooling time (min.)
16	13.0	5	4	2
20	14.0	5	4	2
25	15.0	7	4	2
32	16.5	8	6	4
40	18.0	12	6	4
50	20.0	18	6	4
63	24.0	24	8	6
75	26.0	30	8	8
90	29.0	40	8	8
110	32.5	50	10	8

WELDING AND JOINTING THERMAL EXPANSION

The temperature expansion of the polypropylene pipes can be calculated according to the following formula.

$\Delta L = c \times L \times \Delta T$

Where:

ΔL = calculated expansion in mm

c = coefficient of linear expansion

L = pipe's length in meters

ΔT = temperature difference during installation and exploitation in °C

SUPPORT SPAN

In case when the piping is laid on surface of walls or installed under ceiling, it is necessary to observe the correct pitch at the supports or attachments. This value depends upon pipe OD, fluid temperature and type of installation (vertical or horizontal). For more details please contact our technical support department.

MAXIMUM OPERATIONAL PRESSURES

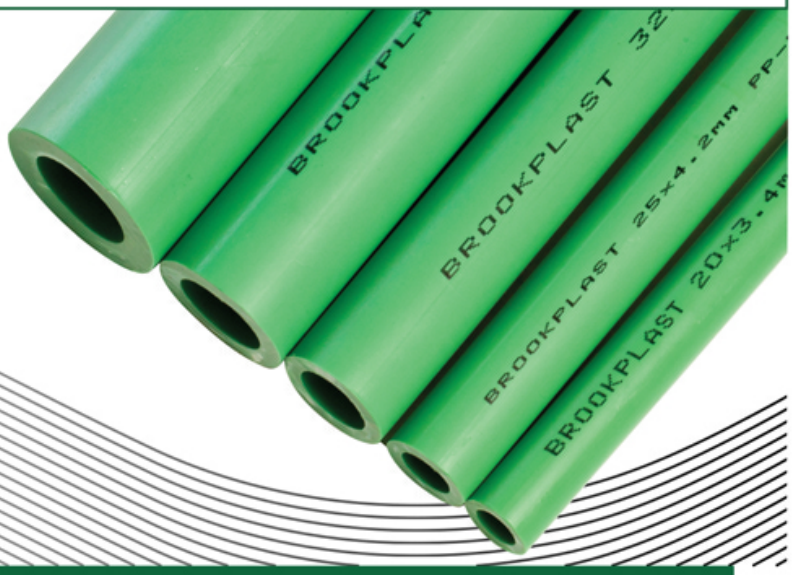
Maximum operational pressures for Hot water and Central heating systems

TABLE 3

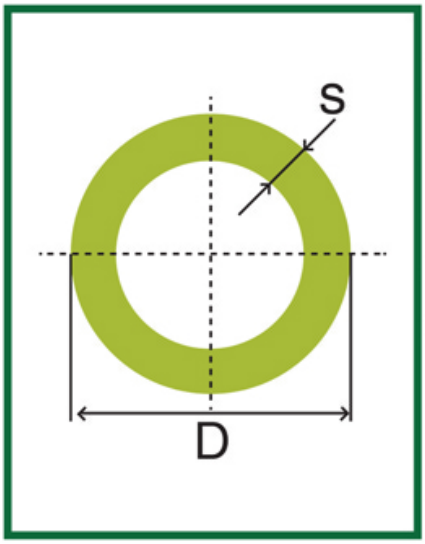
Heating period	Temperature	Years of Operating	Permissible operational pressure		
			SDR 6	SDR 7.4	SDR 5
Continuous working temperature 70°C Incl. 60 days per year with	75°C	5	14.30	11.40	15.90
		10	13.70	10.90	14.50
		25	11.80	9.30	13.70
		45	10.40	8.10	12.80
	80°C	5	12.90	10.07	15.80
		10	12.20	9.70	15.40
		25	10.70	8.60	13.20
		40	9.80	7.80	11.60
	85°C	5	12.51	9.94	15.78
		10	11.90	9.50	15.30
		25	9.70	7.80	13.20
		35	8.90	7.10	14.90
	90°C	5	11.80	9.37	12.90
		10	10.30	8.40	10.48
		25	8.40	6.60	8.45
		30	7.63	6.30	14.73
Continuous working temperature 70°C Incl. 90 days per year with	75°C	5	13.95	11.50	13.80
		10	13.40	10.80	12.40
		25	11.50	9.20	11.20
		45	8.90	7.00	16.10
	80°C	5	12.75	10.14	15.50
		10	12.33	9.81	12.71
		25	10.06	8.02	11.52
		37.5	9.15	7.27	15.15
	85°C	5	12.00	9.54	14.20
		10	11.29	9.00	12.16
		25	9.62	7.63	11.40
		32.5	9.07	7.20	11.30
	90°C	5	10.79	8.60	11.30
		10	9.30	7.41	10.45
		25	7.35	5.73	9.22

PRODUCT RANGE

PP-R PIPING SYSTEM

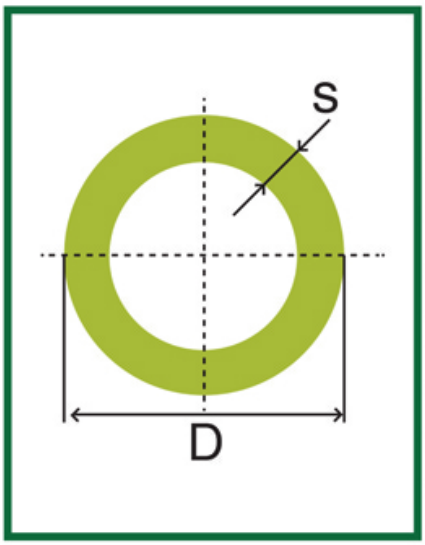


PP-R PIPE SDR 11 PN 10 Pipe Series 4 according to DIN 8077/78



Art No.	Dimension	Wall thickness(S)	Kg/mt
P02-104	20 mm	1.9	0.107
P03-104	25 mm	2.3	0.164
P04-104	32 mm	2.9	0.261
P05-104	40 mm	3.7	0.412
P06-104	50 mm	4.6	0.638
P07-104	63 mm	5.8	1.010
P08-104	75 mm	6.8	1.410
P09-104	90 mm	8.2	2.030
P10-104	110 mm	10	3.010

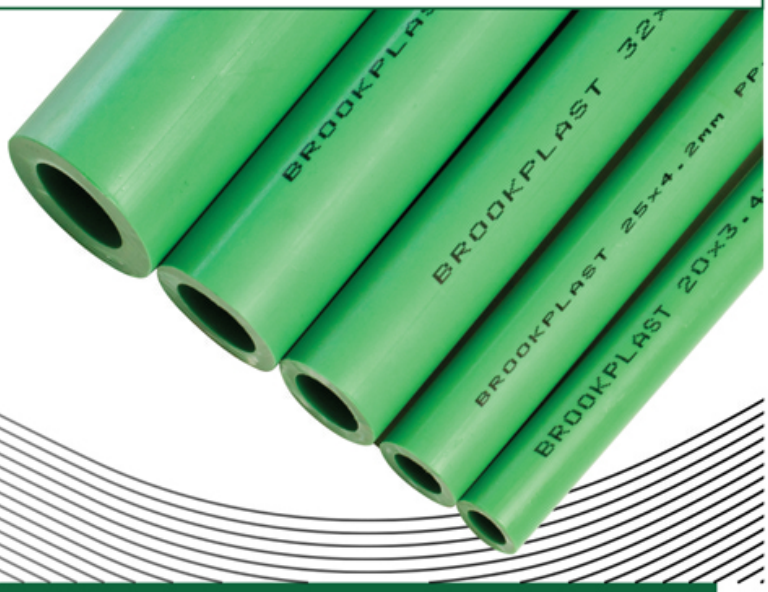
PP-R PIPE SDR 7.4 PN 16 Pipe Series 5 according to DIN 8077/78



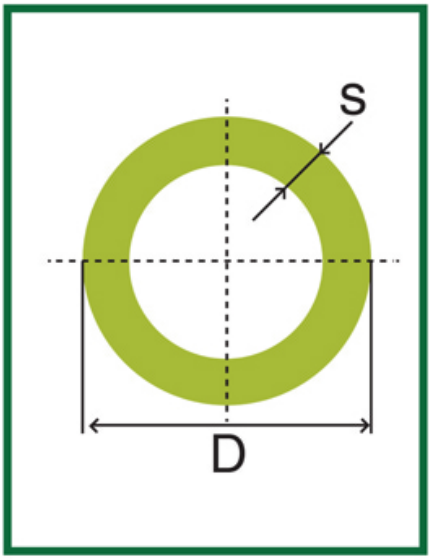
Art No.	Dimension	Wall thickness(S)	Kg/mt
P02-164	20 mm	2.8	0.148
P03-164	25 mm	3.5	0.230
P04-164	32 mm	4.4	0.370
P05-164	40 mm	5.5	0.575
P06-164	50 mm	6.9	0.896
P07-164	63 mm	8.6	1.410
P08-164	75 mm	10.3	2.010
P09-164	90 mm	12.3	2.870
P10-164	110 mm	15.1	4.300

PRODUCT RANGE

PP-R PIPING SYSTEM

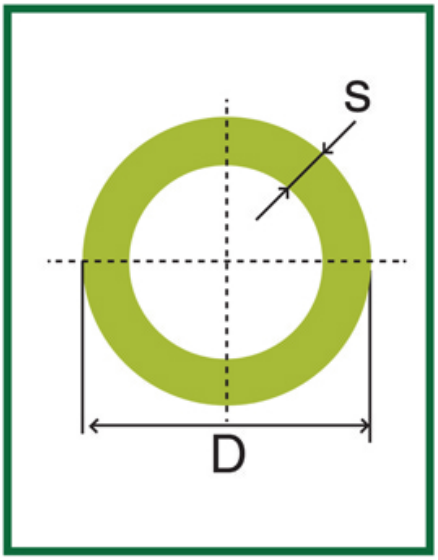


PP-R PIPE SDR 6 PN 20 Pipe Series 6 according to DIN 8077/78



Art No.	Dimension	Wall thickness(S)	Kg/mt
P02-204	20 mm	3.4	0.172
P03-204	25 mm	4.2	0.266
P04-204	32 mm	5.4	0.434
P05-204	40 mm	6.7	0.671
P06-204	50 mm	8.3	1.040
P07-204	63 mm	10.5	1.650
P08-204	75 mm	12.5	2.340
P09-204	90 mm	15	3.360
P10-204	110 mm	18.3	5.010

PP-R PIPE SDR 5 PN 25 Pipe Series 2 according to DIN 8077/78



Art No.	Dimension	Wall thickness(S)	Kg/mt
P02-254	20 mm	4.1	0.198
P03-254	25 mm	5.1	0.307
P04-254	32 mm	6.5	0.498
P05-254	40 mm	8.1	0.775
P06-254	50 mm	10.1	1.210
P07-254	63 mm	12.7	1.910
P08-254	75 mm	15.1	2.700
P09-254	90 mm	18.1	3.880
P10-254	110 mm	22.1	5.780

REDUCER SOCKET

Art No.	Dimension	Packing unit	Kg/piece
F14-030	25/20 mm	10 pcs	0.012
F14-041	32/20 mm	5 pcs	0.015
F14-040	32/25 mm	5 pcs	0.020
F14-052	40/20 mm	5 pcs	0.025
F14-051	40/25 mm	5 pcs	0.029
F14-050	40/32 mm	5 pcs	0.034
F14-063	50/20 mm	5 pcs	0.044
F14-062	50/25 mm	5 pcs	0.045
F14-061	50/32 mm	5 pcs	0.050
F14-060	50/40 mm	5 pcs	0.056
F14-074	63/20 mm	1 pc	0.071
F14-073	63/25 mm	1 pc	0.073
F14-072	63/32 mm	1 pc	0.091
F14-071	63/40 mm	1 pc	0.092
F14-070	63/50 mm	1 pc	0.105
F14-082	75/40 mm	1 pc	0.130
F14-081	75/50 mm	1 pc	0.135
F14-080	75/63 mm	1 pc	0.158
F14-092	90/50 mm	1 pc	0.196
F14-091	90/63 mm	1 pc	0.220
F14-090	90/75 mm	1 pc	0.265
F14-102	110/63 mm	1 pc	0.350
F14-101	110/75 mm	1 pc	0.390
F14-100	110/90 mm	1 pc	0.468

SOCKET

Art No.	Dimension	Packing unit	Kg/piece
F10-020	20 mm	10 pcs	0.010
F10-025	25 mm	10 pcs	0.015
F10-032	32 mm	5 pcs	0.025
F10-040	40 mm	5 pcs	0.042
F10-050	50 mm	5 pcs	0.081
F10-063	63 mm	1 pc	0.141
F10-075	75 mm	1 pc	0.200
F10-090	90 mm	1 pc	0.318
F10-110	110 mm	1 pc	0.563

ELBOW 90°

Art No.	Dimension	Packing unit	Kg/piece
F11-020	20 mm	10 pcs	0.016
F11-025	25 mm	10 pcs	0.024
F11-032	32 mm	5 pcs	0.039
F11-040	40 mm	5 pcs	0.072
F11-050	50 mm	5 pcs	0.162
F11-063	63 mm	1 pc	0.262
F11-075	75 mm	1 pc	0.454
F11-090	90 mm	1 pc	0.727
F11-110	110 mm	1 pc	1.200

ELBOW 45°

Art No.	Dimension	Packing unit	Kg/piece
F12-020	20 mm	10 pcs	0.014
F12-025	25 mm	10 pcs	0.019
F12-032	32 mm	5 pcs	0.032
F12-040	40 mm	5 pcs	0.053
F12-050	50 mm	5 pcs	0.120
F12-063	63 mm	1 pc	0.208
F12-075	75 mm	1 pc	0.316
F12-090	90 mm	1 pc	0.516
F12-110	110 mm	1 pc	0.990

END CAP

Art No.	Dimension	Packing unit	Kg/piece
F15-020	20 mm	10 pcs	0.009
F15-025	25 mm	10 pcs	0.011
F15-032	32 mm	5 pcs	0.019
F15-040	40 mm	5 pcs	0.037
F15-050	50 mm	5 pcs	0.066
F15-063	63 mm	1 pc	0.131
F15-075	75 mm	1 pc	0.180
F15-090	90 mm	1 pc	0.281
F15-110	110 mm	1 pc	0.576

FEMALE UNION BOTH ENDS WELDING

Art No.	Dimension	Packing unit	Kg/piece
F16-020	20 mm	10 pcs	0.052
F16-025	25 mm	10 pcs	0.061
F16-032	32 mm	5 pcs	0.126

END PLUG

Art No.	Dimension	Packing unit	Kg/piece
F17-001	½"	10 pcs	0.026
F17-002	¾"	10 pcs	0.029
F17-003	1"	50 pcs	0.032

EQUAL TEE

Art No.	Dimension	Packing unit	Kg/piece
F13-020	20 mm	10 pcs	0.021
F13-025	25 mm	10 pcs	0.031
F13-032	32 mm	5 pcs	0.051
F13-040	40 mm	5 pcs	0.090
F13-050	50 mm	5 pcs	0.200
F13-063	63 mm	1 pc	0.348
F13-075	75 mm	1 pc	0.523
F13-090	90 mm	1 pc	0.850
F13-110	110 mm	1 pc	1.425

REDUCING TEE

Art No.	Dimension	Packing unit	Kg/piece
F18-030	25x20x25 mm	10 pcs	0.034
F18-041	32x20x32 mm	5 pcs	0.048
F18-040	32x25x32 mm	5 pcs	0.058
F18-052	40x20x40 mm	5 pcs	0.088
F18-051	40x25x40 mm	5 pcs	0.083
F18-050	40x32x40 mm	5 pcs	0.099
F18-063	50x20x50 mm	5 pcs	0.184
F18-062	50x25x50 mm	5 pcs	0.190
F18-061	50x32x50 mm	5 pcs	0.185
F18-060	50x40x50 mm	5 pcs	0.222
F18-074	63x20x63 mm	1 pc	0.324
F18-073	63x25x63 mm	1 pc	0.322
F18-072	63x32x63 mm	1 pc	0.331
F18-071	63x40x63 mm	1 pc	0.322
F18-070	63x50x63 mm	1 pc	0.379
F18-083	75x32x75 mm	1 pc	0.496
F18-082	75x40x75 mm	1 pc	0.502
F18-081	75x50x75 mm	1 pc	0.531
F18-080	75x63x75 mm	1 pc	0.497
F18-093	90x40x90 mm	1 pc	0.812
F18-092	90x50x90 mm	1 pc	0.809
F18-091	90x63x90 mm	1 pc	0.812
F18-090	90x75x90 mm	1 pc	0.920
F18-103	110x50x110 mm	1 pc	1.360
F18-102	110x63x110 mm	1 pc	1.360
F18-101	110x75x110 mm	1 pc	1.380
F18-100	110x90x110 mm	1 pc	1.420

OVER BRIDGE BOW

Art No.	Dimension	Packing unit	Kg/piece
F19-020	20 mm	10 pcs	0.063
F19-025	25 mm	10 pcs	0.098
F19-032	32 mm	5 pcs	0.165

BRACKET FOR PIPE

Art No.	Dimension	Packing unit	Kg/piece
F20-020	20 mm	200 pcs	0.006
F20-025	25 mm	200 pcs	0.008
F20-032	32 mm	100 pcs	0.010
F20-040	40 mm	100 pcs	0.013

BRIDGE

Art No.	Dimension	Packing unit	Kg/piece
F21-020	20 mm	10 pcs	0.044
F21-025	25 mm	5 pcs	0.075
F21-032	32 mm	5 pcs	0.125

TRANSITION PIECE ROUND - FEMALE

Art No.	Dimension	Packing unit	Kg/piece
M10-020	20 mm x 1/2"	10 pcs	0.058
M10-021	20 mm x 3/4"	10 pcs	0.072
M10-030	25 mm x 1/2"	10 pcs	0.059
M10-031	25 mm x 3/4"	10 pcs	0.073
M10-041	32 mm x 3/4"	5 pcs	0.078

TRANSITION PIECE ROUND - MALE

Art No.	Dimension	Packing unit	Kg/piece
M11-020	20 mm x 1/2"	10 pcs	0.068
M11-021	20 mm x 3/4"	10 pcs	0.081
M11-030	25 mm x 1/2"	10 pcs	0.069
M11-031	25 mm x 3/4"	10 pcs	0.081
M11-041	32 mm x 3/4"	5 pcs	0.086

TRANSITION PP-R FEMALE UNION

Art No.	Dimension	Packing unit	Kg/piece
M15-020	20 mm x 1/2"	10 pcs	0.108
M15-030	25 mm x 3/4"	10 pcs	0.176
M15-040	32 mm x 1"	5 pcs	0.212
M15-050	40 mm x 1.1/4"	5 pcs	0.322
M15-060	50 mm x 1.1/2"	1 pc	0.530
M15-070	63 mm x 2"	1 pc	0.930

TRANSITION PP-R MALE UNION

Art No.	Dimension	Packing unit	Kg/piece
M16-020	20 mm x 1/2"	10 pcs	0.121
M16-030	25 mm x 3/4"	10 pcs	0.186
M16-040	32 mm x 1"	5 pcs	0.264
M16-050	40 mm x 1.1/4"	5 pcs	0.400
M16-060	50 mm x 1.1/2"	1 pc	0.626
M16-070	63 mm x 2 "	1 pc	1.030

TRANSITION ELBOW FEMALE

Art No.	Dimension	Packing unit	Kg/piece
M17-020	20 mm x 1/2"	10 pcs	0.068
M17-021	20 mm x 3/4"	10 pcs	0.080
M17-030	25 mm x 1/2"	10 pcs	0.073
M17-031	25 mm x 3/4"	10 pcs	0.092
M17-042	32 mm x 1/2"	5 pcs	0.081
M17-041	32 mm x 3/4"	5 pcs	0.093
M17-040	32 mm x 1"	5 pcs	0.260

TRANSITION ELBOW MALE

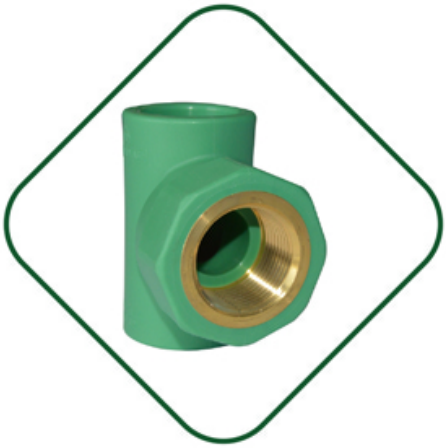
Art No.	Dimension	Packing unit	Kg/piece
M21-020	20 mm x 1/2"	10 pcs	0.087
M21-021	20 mm x 3/4"	10 pcs	0.119
M21-030	25 mm x 1/2"	10 pcs	0.091
M21-031	25 mm x 3/4"	10 pcs	0.133
M21-040	32 mm x 1/2"	5 pcs	0.109
M21-041	32 mm x 3/4"	5 pcs	0.148
M21-042	32 mm x 1"	5 pcs	0.276

WALL MOUNT ELBOW

Art No.	Dimension	Packing unit	Kg/piece
M13-020	20 mm x 1/2"	10 pcs	0.072
M13-030	25 mm x 1/2"	10 pcs	0.079

TRANSITION FEMALE TEE

Art No.	Dimension	Packing unit	Kg/piece
M12-020	20 mm x 1/2"	10 pcs	0.074
M12-021	20 mm x 3/4"	10 pcs	0.088
M12-030	25 mm x 1/2"	10 pcs	0.081
M12-031	25 mm x 3/4"	10 pcs	0.098
M12-042	32 mm x 1/2"	5 pcs	0.089
M12-041	32 mm x 3/4"	5 pcs	0.102
M12-040	32 mm x 1 "	5 pcs	0.268



VALVE BODY

Art No.	Dimension	Packing unit	Kg/piece
M14-020	20 mm x 3/4"	1 pc	0.087
M14-030	25 mm x 3/4"	1 pc	0.096
M14-040	32 mm x 1 "	1 pc	0.141
M14-050	40 mm x 1.1/4"	1 pc	0.254

STOP VALVE

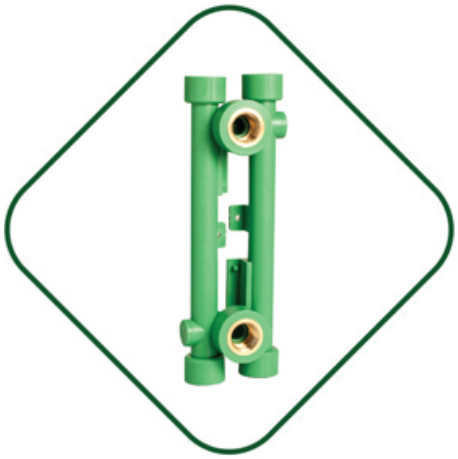
Art No.	Dimension	Packing unit	Kg/piece
M18-020	20 mm x 3/4"	1 pc	0.198
M18-030	25 mm x 3/4"	1 pc	0.207
M18-040	32 mm x 1 "	1 pc	0.295
M18-050	40 mm x 1.1/4"	1 pc	0.549

CONCEALED VALVE

Art No.	Dimension	Packing unit	Kg/piece
M19-020	20 mm x 3/4"	1 pc	0.410
M19-030	25 mm x 3/4"	1 pc	0.419
M19-040	32 mm x 1 "	1 pc	0.433

WALL MOUNT GROUP

Art No.	Dimension	Packing unit	Kg/piece
M20-020	20 mm x 1/2"	1 Set	0.220
M20-030	25 mm x 1/2"	1 Set	0.283



BALL COCK

Art No.	Dimension	Packing unit	Kg/piece
BC-20	20 mm	1 pc	0.230
BC-25	25 mm	1 pc	0.234
BC-32	32 mm	1 pc	0.238
BC-40	40 mm	1 pc	0.710
BC-50	50 mm	1 pc	1.120
BC-63	63 mm	1 pc	1.540

SMALL PROFESSIONAL PIPE CUTTER

Art No.	Dimension	Packing unit
A11-010	16-40 mm	1 pc

PIPE CUTTER

Art No.	Dimension	Packing unit
A11-011	16-75 mm	1 pc

PROFESSIONAL PIPE CUTTER

Art No.	Dimension	Packing unit
A11-012	50-125 mm	1 pc

WELDING DEVICE

Art No.	Dimension	Packing unit
A10-010	20 mm x 1/2"	1 Set
A10-011	25 mm x 1/2"	1 Set

STANDARDS & REGULATIONS

DIN 8076	Pressure pipelines made from thermoplastics materials - Metal and plastics compression fittings for polyethylene (PE) pipes - General quality requirements and testing
DIN 8077	Polypropylene (PP) pipes - PP-H. PP-B, PP-R, PP-RCT -Dimensions
DIN 8078	Polypropylene (PP) pipes - PP-H. PP.B, PP-R, PP-RCT -General quality requirements and testing
DIN 16928	Pipes of Thermoplastic materials, Pipe joints, Elements for pipes, Laying, General directions
DIN 4109	Sound insulation in buildings, Requirements and testing
DIN 4140	Insulation work on industrial installations and building equipment - Execution of thermal and cold insulations
DVS 2208-1	Welding of thermoplastics - Machines and devices for the heated tool welding of pipes, Piping parts and panels
DIN 2999	Standards for fittings with threaded metallic inserts
DIN 16962 (Parts 1-13)	Pipe joints and elements for Polypropylene (PP) pressure pipelines
DVS 2207	Welding of thermoplastic pipes and fittings
BS 6920	Suitability of non-metallic products for use in contact with water intended for human consumption with regards to their effect on the quality of the water

NOTES

BP BROOKPLAST

PP- R PIPING SYSTEMS

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