

# Kitemark™ Certificate

This is to certify that:

Wavin Ltd  
Edlington Lane  
Edlington  
Doncaster  
DN12 1BY  
United Kingdom

Holds Certificate Number:

KM 512320

In respect of:

**BS EN ISO 15876 & BS EN ISO 21003**  
**Plastic piping systems for hot and cold water installations**

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI:

Shahm Barhom, Group Product Certification Director

First Issued: 2019-11-20

Latest Issue: 2024-11-28

Effective Date: 2024-11-28

Expiry Date: 2027-05-18



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# Kitemark™ Certificate

No. KM 512320

**BS EN ISO 15876-3: 2003 - Plastics piping systems for hot and cold water installations – Polybutylene (PB).  
Part 3: Fittings**

**The Caps and Components listed in this certificate can be made from the following materials.**

Cap and Component Material
DSM Akulon K224 – HG6
EMS-Chemie Grilon XE5047
RADICI RADILON S RCM 4030 RKC2 205 WT
Ravago – Hylon N2030H2L

**The Bodies of the Fittings listed in this certificate are made from the following material unless otherwise stated in the Fittings tables below.**

Body Material
Body Material: Lyondell Basell PB 4268 White

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# Kitemark™ Certificate

No. KM 512320

**BS EN ISO 15876-3: 2003 - Plastics piping systems for hot and cold water installations – Polybutylene (PB).  
Part 3: Fittings**

**The scope of this Certificate covers the following products.**

**Production Location:** Edlington Lane, Edlington, Doncaster. DN12 1BY. UK

Size (mm)	Description	Colour	Material	Product Code
10	Hep20 Pb Straight Connector WT	White	PB	HD1/10W
15	Hep20 Pb Straight Connector WT	White	PB	HD1/15W
22	Hep20 Pb Straight Connector WT	White	PB	HD1/22W
28	Hep20 Pb Straight Connector WT	White	PB	HD1/28W
10	Hep20 Pb Equal Tee WT	White	PB	HD10/10W
15	Hep20 Pb Equal Tee WT	White	PB	HD10/15W
22	Hep20 Pb Equal Tee WT	White	PB	HD10/22W
28	Hep20 Pb Equal Tee WT	White	PB	HD10/28W
2x15x22	Hep20 Pb End Reduce Tee WT	White	PB	HD12/22W
28x22x28	Hep20 Pb End Red Tee	White	PB	HD12/28W
15x15x10	Hep20 Pb Branch Red Tee 90° W	White	PB	HD13/15W
22x22x15	Hep20 Pb Branch Red Tee 90° WT	White	PB	HD13/22W
28x28x22	Hep20 Pb Branch Red Tee 90° W	White	PB	HD13/28W
22x22x10	Hep20 Pb Branch Red Tee 90° W	White	PB	HD13A/22W
28x28x15	Hep20 Pb Branch Red Tee 90° W	White	PB	HD13A/28W
15x10x10	Hep20 Branch & End Red Tee W	White	PB	HD14/15W
22x15x15	Hep20 Branch & End Red Tee W	White	PB	HD14/22W
28x22x22	Hep20 Branch & End Red Tee W	White	PB	HD14/28W
22x10x10	Hep20 Branch & End Red Tee W	White	PB	HD14A/22W
15x10	Hep20 Branch Reduced Tee Spigot W	White	PB	HD15/15W
22x15	Hep20 Branch Reduced Tee Spigot W	White	PB	HD15/22W
10x10x15	Hep20 Pb Tee Reduced Both End W	White	PB	HD18/15W
15x15x22	Hep20 Pb Tee Reduced Both End W	White	PB	HD18/22W
22x22x28	Hep20 Pb Tee Reduced Both End W	White	PB	HD18/28W
10x10x22	Hep20 Pb Tee Reduced Both End W	White	PB	HD18A/22W

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Part 3: Fittings**

Size (mm)	Description	Colour	Material	Product Code
15x10	Hep20 Pb Socket Reducer WT PF/SP	White	PB	HD2/15W
22x15	Hep20 Pb Socket Reducer WT PF/SP	White	PB	HD2/22W
28x22	Hep20 Pb Socket Reducer WT PF/SP	White	PB	HD2/28W
15x10	Socket/Socket Reducer	White	PB	HD3B/15W
22x15	Socket/Socket Reducer	White	PB	HD3B/22W
22x10	Socket/Socket Reducer	White	PB	HD3C/22W
10	Hep20 Elbow 90° Spigot W PF/SP	White	PB	HD4/10W
15	Hep20 Elbow 90° Spigot WT PF/SP	White	PB	HD4/15W
22	Hep20 Elbow 90° Spigot WT PF/SP	White	PB	HD4/22W
15x10	Hep20 Elbow 90° Spigot Red W PF/SP	White	PB	HD4A/15W
10	Hep20 Pb Elbow 90° WT	White	PB	HD5/10W
15	Hep20 Pb Elbow 90° WT	White	PB	HD5/15W
22	Hep20 Pb Elbow 90° WT	White	PB	HD5/22W
28	Hep20 Pb Elbow 90° WT	White	PB	HD5/28W
10	Hep20 Pb Demountable Pipe End Cap W	White	PB	HD62/10W
15	Hep20 Pb Demountable Pipe End Cap WT	White	PB	HD62/15W
22	Hep20 Pb Demountable Pipe End Cap WT	White	PB	HD62/22W
28	Hep20 Pb Demountable Pipe End Cap WT	White	PB	HD62/28W
10	Hep20 Pb Elbow 45° Spigot W PF/SP	White	PB	HD8/10W
15	Hep20 Pb Elbow 45° Spigot WT PF/SP	White	PB	HD8/15W
22	Hep20 Pb Elbow 45° Spigot WT PF/SP	White	PB	HD8/22W
15x1/2"	Hep20 Brass Tee PF/TF	-	Metal	HE16/15W
22x3/4"	Hep20 Brass Tee PF/TF	-	Metal	HE16/22W
22x1/2"	Hep20 Brass Tee PF/TF	-	Metal	HE16A/22W
15x1/2"	Hep20 Brass Adapter PF/TF	-	Metal	HE28/15W
22x3/4"	Hep20 Brass Adapter PF/TF	-	Metal	HE28/22W

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Polybutylene (PB).  
Part 3: Fittings**

Size (mm)	Description	Colour	Material	Product Code
28x1"	Hep20 Brass Adapter PF/TF	-	Metal	HE28/28W
15x1/2"	Hep20 Brass Adapter PF/TM	-	Metal	HE29/15W
22x3/4"	Hep20 Brass Adapter PF/TM	-	Metal	HE29/22W
28x1"	Hep20 Brass Adapter PF/TM	-	Metal	HE29/28W
15x1/2"	Hep20 Brass Adapter SP/TF	-	Metal	HE30/15W
22x3/4"	Hep20 Brass Adapter SP/TF	-	Metal	HE30/22W
28x1"	Hep20 Brass Adapter SP/TF	-	Metal	HE30/28W
15x1/2"	Hep20 Brass Adapter SP/TM	-	Metal	HE31/15W
22x3/4"	Hep20 Brass Adapter SP/TM	-	Metal	HE31/22W
28x1"	Hep20 Brass Adapter SP/TM	-	Metal	HE31/28W
15x15	Hep20 Shut Off Valve Hidden Handle	-	Metal	HE37A/15W
22x22	Hep20 Shut Off Valve Hidden Handle	-	Metal	HE37A/22W
15x15	Hep20 Shut Off Valve Tri Handle	-	Metal	HE37B/15W
22x22	Hep20 Shut Off Valve Tri Handle	-	Metal	HE37B/22W
15x15	Hep20 Ball Valve Red Lever PF/PF	-	Metal	HE37C/15W
22x22	Hep20 Ball Valve Red Lever PF/PF	-	Metal	HE37C/22W
28x28	Hep20 Ball Valve Red Lever PF/PF	-	Metal	HE37C/28W
15x15	Hep20 Ball Valve Chrome Lever	-	Metal	HE37D/15W
22x22	Hep20 Ball Valve Chrome Lever	-	Metal	HE37D/22W
28x28	Hep20 Ball Valve Chrome Lever	-	Metal	HE37D/28W
15x15	Hep20 Ball Valve Hidden Handle	-	Metal	HE37E/15W
22x22	Hep20 Ball Valve Hidden Handle	-	Metal	HE37E/22W
28x28	Hep20 Ball Valve Hidden Handle PF/	-	Metal	HE37E/28W
15x1/2"	Hep20 Brass Elbow 90° PF/TF	-	Metal	HE5/15W
22x3/4"	Hep20 Brass Elbow 90° PF/TF	-	Metal	HE5/22W

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Size (mm)	Description	Colour	Material	Product Code
28x1"	Hep20 Brass Elbow 90° PF/TF	-	Metal	HE5/28W
22x1/2"	Hep20 Brass Elbow 90° PF/TF	-	Metal	HE5A/22W
15x1/2"	Hep20 Brass Elbow 90° PF/TM	-	Metal	HE5M/15W
22x3/4"	Hep20 Brass Elbow 90° PF/TM	-	Metal	HE5M/22W
28x1"	Hep20 Brass Elbow 90° PF/TM	-	Metal	HE5M/28W
15x1/2"	Hep20 Wall Plate Elbow PF/TF	-	Metal	HE626/15W
15x3/8"	Hep20 Brass Adapter PF/TM	-	Metal	HE632/15W
15x3/8"	Hep20 Brass Adapter PF/TF	-	Metal	HE633/15W
15x3/8"	Hep20 Brass Elbow 90° PF/TM	-	Metal	HE637/15W
15x3/8"	Hep20 Brass Elbow 90° PF/TF	-	Metal	HE638/15W
15x15	Hep20 Ball Valve Chrome Cover	-	Metal	HE640/15W
15x15	Hep20 Ball Valve Chrome Lever	-	Metal	HE650/15W
22x1/2"	Hep20 Brass Adapter PF/TM	-	Metal	HE652/22W
22x1/2"	Hep20 Brass Adapter PF/TF	-	Metal	HE653/22W
22x1/2"	Hep20 Brass Elbow 90° PF/TM	-	Metal	HE654/22W
15x1/2"	Hep20 Uni Wall Plate Elbow PF/TF	-	Metal	HE6A/15W
15x1/2"	Hep20 Wall Screw Elbow PF/TF	-	Metal	HE6C/15W
22x3/4"	Hep20 Wall Screw Elbow PF/TF	-	Metal	HE6C/22W
22x1/2"	Hep20 Wall Screw Elbow PF/TF	-	Metal	HE6CB/22W
15x1/2"	Hep20 Ext Wall Screw Elbow PF/TF	-	Metal	HE6E/15W
15x1/2"	Hep20 Wall Plate Elbow PF/TF	-	Metal	HE6MA/15W
22x1/2"	Hep20 Wall Plate Elbow PF/TF	-	Metal	HE6MA/22W
15x1/2"	Hep20 Wall Plate Tee PF/TF	-	Metal	HE7/15W
15x14	Hep20 Radiator Conn PF/SP	-	Metal	HE727/15W

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Polybutylene (PB).  
Part 3: Fittings**

Size (mm)	Description	Colour	Material	Product Code
22x22	Hep20 Ball Valve Chrome Cover PF/P	-	Metal	HE740/22W
22x22	Hep20 Ball Valve Chrome Lever	-	Metal	HE750/22W
15x1/2"	Hep20 Wall Plate Tee PF/TF	-	Metal	HE7MA/15W
22x1/2"	Hep20 Wall Plate Tee PF/TF	-	Metal	HE7MA/22W
15x1/2"	Hep20 Wall Stud adaptor PF/TF	-	Metal	HE800/15W
15x1/2"	Hep20 Conduit Terminal Gn	-	Metal	HX101/15W
15x3/4"	Hep20 Brass Adapter PF/TF	-	Metal	HX24/15W
10x1/2"	Hep20 Brass Adapter PF/TF	-	Metal	HX28/10W
15x1/2"	Hep20 Brass Adapter PF/TF	-	Metal	HX28/15W
22x3/4"	Hep20 Brass Adapter PF/TF	-	Metal	HX28/22W
28x1"	Hep20 Brass Adapter PF/TF	-	Metal	HX28/28W
10x1/2"	Hep20 Brass Adapter PF/TM	-	Metal	HX29/10W
15x1/2"	Hep20 Brass Adapter PF/TM	-	Metal	HX29/15W
22x3/4"	Hep20 Brass Adapter PF/TM	-	Metal	HX29/22W
28x1"	Hep20 Brass Adapter PF/TM	-	Metal	HX29/28W
15x1/2"	Hep20 Brass Adapter SP/TF	-	Metal	HX30/15W
22x3/4"	Hep20 Brass Adapter SP/TF	-	Metal	HX30/22W
28x1"	Hep20 Brass Adapter SP/TF	-	Metal	HX30/28W
15x1/2"	Hep20 Brass Adapter SP/TM	-	Metal	HX31/15W
22x3/4"	Hep20 Brass Adapter SP/TM	-	Metal	HX31/22W
28x1"	Hep20 Brass Adapter SP/TM	-	Metal	HX31/28W
15x15	Hep20 Brass Gate Valve PF/PF	-	Metal	HX35/15W
22x22	Hep20 Brass Gate Valve PF/PF	-	Metal	HX35/22W
10	Hep20 Blanking Peg 10	White	PSU	HX44/10W
15	Hep20 Blanking Peg 15	White	PSU	HX44/15W

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Part 3: Fittings**

Size (mm)	Description	Colour	Material	Product Code
22	Hep20 Blanking Peg 22	White	PSU	HX44/22W
28	Hep20 Blanking Peg 28	White	PSU	HX44/28W
15x1/2"	Hep20 Wall Plate Elbow	White	Radel	HX6/15W
22x3/4"	Hep20 Wall Plate Elbow	White	Radel	HX6/22W
15	Hep20 Smartsleeve Pipe Support 15	-	Metal	HX60/15W
22	Hep20 Smartsleeve Pipe Support 22	-	Metal	HX60/22W
22x15	Hep20 2 Port Manifold PF/SP	White	PB	HX88/22W
22x15	Hep20 2 Port Manifold PF/PF	White	PB	HX88B/22W
22x15	Hep20 3 Port Manifold PF/SP	White	PB	HX89/22W
22x15	Hep20 3 Port Manifold PF/PF	White	PB	HX89B/22W
15	Hep20 1 Port Valved Manifold 15 TM/TF/PF	-	Metal	HX91T/15W
22	Hep20 1 Port Valved Manifold 22 TM/TF/PF	-	Metal	HX91T/22W
22x10	Hep20 2 Port Manifold PF/SP	White	PB	HX92/22W
22x10	Hep20 2 Port Manifold PF/PF	White	PB	HX92B/22W
15	Hep20 2 Port Valved Manifold TM/TF/PF	-	Metal	HX92T/15W
15	Hep20 3 Port Valved Manifold TM/TF/PF	-	Metal	HX93T/15W
22x10	Hep20 4 Port Manifold PF/SP	White	PB	HX94/22W
22x10	Hep20 4 Port Manifold PF/PF	White	PB	HX94B/22W
15	Hep20 4 Port Valved Manifold TM/TF/PF	-	Metal	HX94T/15W
22x10	Hep20 4 Port Manifold PF/SP	White	PB	HX96/22W
22x10	Hep20 4 Port Manifold PF/PF	White	PB	HX96B/22W
10	Hep20 Smartsleeve Pipe Support	-	Metal	HX60/10W
28	Hep20 Smartsleeve Pipe Support	-	Metal	HX60/28W

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# Kitemark™ Certificate

No. KM 512320

**BS EN ISO 21003-2: 2008+A1: 2011 - Multilayer piping systems for hot and cold water installations inside buildings.  
Part 2: Pipes**

Size (mm)	Description	Lengths (m)	Colour	Material	Class
10	Multilayer Pipe	Straight Lengths up to 6m Coils up to 1000m	White	PB	5 (6 bar)
15	Multilayer Pipe	Straight Lengths up to 6m Coils up to 1000m	White	PB	5 (6 bar)
22	Multilayer Pipe	Straight Lengths up to 6m Coils up to 1000m	White	PB	5 (6 bar)
28	Multilayer Pipe	Straight Lengths up to 6m Coils up to 1000m	White	PB	5 (6 bar)

Size (mm)	Description	Lengths (m)	Colour	Material	Class
1/2 (14.7mm)	Multilayer Pipe	Straight Lengths up to 6m Coils up to 1000m	White	PB	5 (6 bar)
3/4 (21mm)	Multilayer Pipe	Straight Lengths up to 6m Coils up to 1000m	White	PB	5 (6 bar)
1 (27.4mm)	Multilayer Pipe	Straight Lengths up to 6m Coils up to 1000m	White	PB	5 (6 bar)

**10mm Pipe Material:** Inner Layer: Grey Lyondell Basell PB4237, Outer Layer: White Lyondell Basell PB 4238 / Mitsui P5250N

**All other diameters Pipe Material:** Inner & Outer Layers: White Lyondell Basell PB 4238 / Mitsui P5250N

Pipes maybe marked Hep2O or Wavin

Pipes are suitable for the transport of potable water

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# Kitemark™ Certificate

No. KM 512320

**BS EN ISO 21003-2: 2008+A1: 2011 - Multilayer piping systems for hot and cold water installations inside buildings.  
Part 2: Pipes**

**Production Location:** Edlington Lane, Edlington, Doncaster. DN12 1BY. UK

Multilayer wall polybutylene pipes up to including class 5 (6 bar) applications manufactured in the following sizes:  
10mm to 63mm

Supplied in straight lengths up to 6m and coils up to 1000m

Size mm	Description	Lengths (m)	Colour	Material	Class
12	Multilayer Pipe	Coils up to 1000m	RB	PB	5 (6 bar)
16	Multilayer Pipe	Coils up to 1000m	RB	PB	5 (6 bar)
20	Multilayer Pipe	Coils up to 1000m	RB	PB	5 (6 bar)

**Pipe Material:** Lyondell Basell PBR509 (red/brown)

Pipes maybe marked Hep<sub>2</sub>O or Wavin

Pipes are not suitable for the transport of potable water

**Production Location:** Multilayer Pipe Company Sp. Z.o.o., Pecz 59, 57 – 100 Strzelin, Poland

Wavin K5 / M5 press fit multilayer pipes up to including class 5 (6 bar) applications manufactured in the following sizes:  
16mm to 63mm

Supplied in straight lengths and coils

Pipe construction PE-Xc / Al / PE-HD

Pipes manufactured in material combinations as detailed in document MPC-001

Pipes are suitable for the transport of potable water

Pipes are marked Wavin

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**BS EN ISO 21003-3: 2008 - Multilayer piping systems for hot and cold water installations inside buildings.  
Part 3: Fittings**

**The scope of this Certificate covers the following products.**

Size (mm)	Description	Material	Product Code
16	Tigris K5 Coupler	PPSU	3079754
20	Tigris K5 Coupler	PPSU	3079755
25	Tigris K5 Coupler	PPSU	3079756
32	Tigris K5 Coupler	PPSU	3079757
40	Tigris K5 Coupler	PPSU	3079758
20x16	Tigris K5 Coupler reduced	PPSU	3079759
25x16	Tigris K5 Coupler reduced	PPSU	3079760
25x20	Tigris K5 Coupler reduced	PPSU	3079761
32x20	Tigris K5 Coupler reduced	PPSU	3079762
32x25	Tigris K5 Coupler reduced	PPSU	3079763
40x32	Tigris K5 Coupler reduced	PPSU	3079764
16	Tigris K5 Elbow 90°	PPSU	3079768
20	Tigris K5 Elbow 90°	PPSU	3079769
25	Tigris K5 Elbow 90°	PPSU	3079770
32	Tigris K5 Elbow 90°	PPSU	3079771
40	Tigris K5 Elbow 90°	PPSU	3079772

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**BS EN ISO 21003-3: 2008 - Multilayer piping systems for hot and cold water installations inside buildings.  
Part 3: Fittings**

Size (mm)	Description	Material	Product Code
25	Tigris K5 Elbow 45°	PPSU	3079773
32	Tigris K5 Elbow 45°	PPSU	3079774
40	Tigris K5 Elbow 45°	PPSU	3079775
16x½"	Tigris K5 Elbow MT 90°	PPSU	3079776
20x½"	Tigris K5 Elbow MT 90°	PPSU	3079777
20x¾"	Tigris K5 Elbow MT 90°	PPSU	3079778
25x¾"	Tigris K5 Elbow MT 90°	PPSU	3079779
25x1"	Tigris K5 Elbow MT 90°	PPSU	3079780
32x1"	Tigris K5 Elbow MT 90°	PPSU	3079781
16x½"	Tigris K5 Elbow FT 90°	PPSU	3079782
20x½"	Tigris K5 Elbow FT 90°	PPSU	3079783
20x¾"	Tigris K5 Elbow FT 90°	PPSU	3079784
25x¾"	Tigris K5 Elbow FT 90°	PPSU	3079785
32x1"	Tigris K5 Elbow FT 90°	PPSU	3079786
16x½"	Tigris K5 Connector FT	PPSU	3079788
16x¾"	Tigris K5 Connector FT	PPSU	3079789
20x½"	Tigris K5 Connector FT	PPSU	3079790
20x¾"	Tigris K5 Connector FT	PPSU	3079791

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# Kitemark™ Certificate

No. KM 512320

**BS EN ISO 21003-3: 2008 - Multilayer piping systems for hot and cold water installations inside buildings.  
Part 3: Fittings**

Size (mm)	Description	Material	Product Code
25x $\frac{3}{4}$ "	Tigris K5 Connector FT	PPSU	3079793
32x1"	Tigris K5 Connector FT	PPSU	3079796
40x1 $\frac{1}{4}$ "	Tigris K5 Connector FT	PPSU	3079797
16x $\frac{1}{2}$ "	Tigris K5 Connector MT	PPSU	3079798
16x $\frac{3}{4}$ "	Tigris K5 Connector MT	PPSU	3079799
20x $\frac{1}{2}$ "	Tigris K5 Connector MT	PPSU	3079800
20x $\frac{3}{4}$ "	Tigris K5 Connector MT	PPSU	3079801
25x $\frac{3}{4}$ "	Tigris K5 Connector MT	PPSU	3079802
25x1"	Tigris K5 Connector MT	PPSU	3079803
32x1"	Tigris K5 Connector MT	PPSU	3079804
32x1 $\frac{1}{4}$ "	Tigris K5 Connector MT	PPSU	3079805
40x1 $\frac{1}{4}$ "	Tigris K5 Connector MT	PPSU	3079806
16	Tigris K5 Tee	PPSU	3079811
20	Tigris K5 Tee	PPSU	3079812
25	Tigris K5 Tee	PPSU	3079813
32	Tigris K5 Tee	PPSU	3079814
40	Tigris K5 Tee	PPSU	3079815

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Part 3: Fittings**

Size (mm)	Description	Material	Product Code
16x½"x16	Tigris K5 Tee FT	PPSU	3079816
20x½"x20	Tigris K5 Tee FT	PPSU	3079817
20x¾"x20	Tigris K5 Tee FT	PPSU	3079818
25x½"x25	Tigris K5 Tee FT	PPSU	3079819
25x¾"x25	Tigris K5 Tee FT	PPSU	3079820
16x20x16	Tigris K5 Tee	PPSU	3079821
20x16x16	Tigris K5 Tee	PPSU	3079822
20x16x20	Tigris K5 Tee	PPSU	3079823
20x20x16	Tigris K5 Tee	PPSU	3079824
25x20x20	Tigris K5 Tee	PPSU	3079825
20x25x20	Tigris K5 Tee	PPSU	3079826
25x16x25	Tigris K5 Tee	PPSU	3079827
25x20x25	Tigris K5 Tee	PPSU	3079828
25x16x16	Tigris K5 Tee	PPSU	3079829
25x32x25	Tigris K5 Tee	PPSU	3079833
32x16x32	Tigris K5 Tee	PPSU	3079834
32x20x32	Tigris K5 Tee	PPSU	3079835

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Part 3: Fittings**

Size (mm)	Description	Material	Product Code
32x25x25	Tigris K5 Tee	PPSU	3079836
32x25x32	Tigris K5 Tee	PPSU	3079837
40x25x40	Tigris K5 Tee	PPSU	3079839
40x32x40	Tigris K5 Tee	PPSU	3079840
40x32x32	Tigris K5 Tee	PPSU	3079842
16x½"	Tigris K5 Wall Flange FT	PPSU	3079854
20x½"	Tigris K5 Wall Flange FT	PPSU	3079855
20x¾"	Tigris K5 Wall Flange FT	PPSU	3079856
16	Tigris K5 End Plug	PPSU	3079859
20	Tigris K5 End Plug	PPSU	3079860
25	Tigris K5 End Plug	PPSU	3079861
16x15	Tigris M5 Coupler Metal	PPSU	4065978
20x15	Tigris M5 Coupler Metal	PPSU	4065979
20x22	Tigris M5 Coupler Metal	PPSU	4065981
25x22	Tigris M5 Coupler Metal	PPSU	4065982
25x28	Tigris M5 Coupler Metal	PPSU	4065983
16x¾"	Tigris M5 Connector FT	PPSU	4066029

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Part 3: Fittings**

Size (mm)	Description	Material	Product Code
16x¾"	Tigris M5 Connector MT	PPSU	4066042
20x1"	Tigris M5 Connector MT	PPSU	4066045
32x25x32	Tigris M5 Tee	PPSU	4066121
16	Tigris M5 Coupler	PPSU	4065973
20	Tigris M5 Coupler	PPSU	4065974
25	Tigris M5 Coupler	PPSU	4065975
32	Tigris M5 Coupler	PPSU	4065976
40	Tigris M5 Coupler	PPSU	4065977
20x16	Tigris M5 Coupler	PPSU	4065985
25x20	Tigris M5 Coupler	PPSU	4065987
32x25	Tigris M5 Coupler	PPSU	4065990
16	Tigris M5 Elbow 90°	PPSU	4065993
20	Tigris M5 Elbow 90°	PPSU	4065994
25	Tigris M5 Elbow 90°	PPSU	4065995
32	Tigris M5 Elbow 90°	PPSU	4065996
40	Tigris M5 Elbow 90°	PPSU	4065997
16x½"	Tigris M5 Elbow MT 90°	PPSU	4066001

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Part 3: Fittings**

Size (mm)	Description	Material	Product Code
20x½"	Tigris M5 Elbow MT 90°	PPSU	4066003
20x¾"	Tigris M5 Elbow MT 90°	PPSU	4066004
25x¾"	Tigris M5 Elbow MT 90°	PPSU	4066005
32x1"	Tigris M5 Elbow MT 90°	PPSU	4066007
16x½"	Tigris M5 Elbow FT 90°	PPSU	4066009
20x½"	Tigris M5 Elbow FT 90°	PPSU	4066011
20x¾"	Tigris M5 Elbow FT 90°	PPSU	4066012
25x¾"	Tigris M5 Elbow FT 90°	PPSU	4066013
32x1"	Tigris M5 Elbow FT 90°	PPSU	4066015
16x½"	Tigris M5 Connector FT	PPSU	4066028
20x½"	Tigris M5 Connector FT	PPSU	4066030
20x¾"	Tigris M5 Connector FT	PPSU	4066031
25x¾"	Tigris M5 Connector FT	PPSU	4066033
25x1"	Tigris M5 Connector FT	PPSU	4066034
32x1"	Tigris M5 Connector FT	PPSU	4066035
16x½"	Tigris M5 Connector MT	PPSU	4066041

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Part 3: Fittings**

Size (mm)	Description	Material	Product Code
20x½"	Tigris M5 Connector MT	PPSU	4066043
20x¾"	Tigris M5 Connector MT	PPSU	4066044
25x¾"	Tigris M5 Connector MT	PPSU	4066046
25x1"	Tigris M5 Connector MT	PPSU	4066047
32x1"	Tigris M5 Connector MT	PPSU	4066048
32x1¼"	Tigris M5 Connector MT	PPSU	4066049
40x1½"	Tigris M5 Connector MT	PPSU	4066050
40x1¾"	Tigris M5 Connector MT	PPSU	4066051
16	Tigris M5 Tee	PPSU	4066086
20	Tigris M5 Tee	PPSU	4066087
25	Tigris M5 Tee	PPSU	4066088
32	Tigris M5 Tee	PPSU	4066089
25x¾"x25	Tigris M5 Tee FT	PPSU	4066095
32x1"x32	Tigris M5 Tee FT	PPSU	4066097
40x1"x40	Tigris M5 Tee FT	PPSU	4066099
16x20x16	Tigris M5 Tee	PPSU	4066106

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Size (mm)	Description	Material	Product Code
20x16x16	Tigris M5 Tee	PPSU	4066107
20x16x20	Tigris M5 Tee	PPSU	4066108
20x20x16	Tigris M5 Tee	PPSU	4066109
25x20x20	Tigris M5 Tee	PPSU	4066110
25x16x25	Tigris M5 Tee	PPSU	4066112
25x20x25	Tigris M5 Tee	PPSU	4066113
32x20x32	Tigris M5 Tee	PPSU	4066120

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Size (mm)	Description	Material	Product Code
50 x 50	Tigris K1 Coupler	PPSU	3027832
63 x 63	Tigris K1 Coupler	PPSU	3027847
75 x 75	Tigris K1 Coupler	PPSU	3065639
50 x 50	Tigris K1 Elbow 90°	PPSU	3024667
63 x 63	Tigris K1 Elbow 90°	PPSU	3027848
75 x 75	Tigris K1 Elbow 90°	PPSU	3065643
50	Tigris K1 Tee	PPSU	3027829
63	Tigris K1 Tee	PPSU	3027853
75	Tigris K1 Tee	PPSU	3065644
50	Tigris K1 Elbow 45°	PPSU	3024668
63	Tigris K1 Elbow 45°	PPSU	3027849
75	Tigris K1 Elbow 45°	PPSU	3065642
50x25x50	Tigris K1 Tee Reduced	PPSU	3027830
50x32x50	Tigris K1 Tee Reduced	PPSU	3027842
50x40x50	Tigris K1 Tee Reduced	PPSU	3027831
63x40x63	Tigris K1 Tee Reduced	PPSU	3027854
63x32x63	Tigris K1 Tee Reduced	PPSU	3027855

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Size (mm)	Description	Material	Product Code
63x25x50	Tigris K1 Tee Reduced	PPSU	3027856
75x50x75	Tigris K1 Tee Reduced	PPSU	3065645
75x40x75	Tigris K1 Tee Reduced	PPSU	3065646
75x32x75	Tigris K1 Tee Reduced	PPSU	3065647
50 x 32	Tigris K1 Coupler reduced	PPSU	3027833
50 x 40	Tigris K1 Coupler reduced	PPSU	3027834
63 x 50	Tigris K1 Coupler reduced	PPSU	3027850
63 x 40	Tigris K1 Coupler reduced	PPSU	3027852
75 x 63	Tigris K1 Coupler reduced	PPSU	3065640
75 x 50	Tigris K1 Coupler reduced	PPSU	3065641
50 x 1½" BSP	Tigris K1 Connector (M)	PPSU	3027837

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Size (mm)	Description	Material	Product Code
50 x 1½" BSP	Tigris M1 Connector (F)	PPSU	4032698
63 x 2" BSP	Tigris M1 Connector (F)	PPSU	4032699
75 x 2½" BSP	Tigris M1 Connector (F)	PPSU	4049179
50	Tigris M1 Elbow 90°	PPSU	4032567
63	Tigris M1 Elbow 90°	PPSU	4032568
75	Tigris M1 Elbow 90°	PPSU	4049172
50	Tigris M1 Coupler	PPSU	4032658
63	Tigris M1 Coupler	PPSU	4032659
75	Tigris M1 Coupler	PPSU	4049168
50 x 1½" BSP	Tigris M1 Connector (M)	PPSU	4032684
63 x 2" BSP	Tigris M1 Connector (M)	PPSU	4032685
75 x 2½" BSP	Tigris M1 Connector (M)	PPSU	4049178

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