

**Excellence Needs No Recognition  
But Recognition Comes Only When You are Excellent**



**Complete Solution of  
Plumbing, Drainage &  
Water Management  
Under One Roof..**

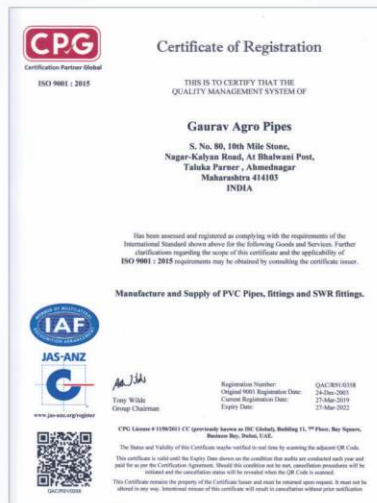
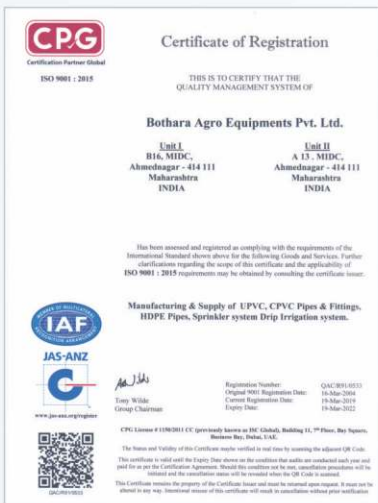
**PARAS<sup>®</sup>**  
**A Touch of Excellence**

# About **PARAS GROUP**

A dynamic, professional & progressive group established in 1967 & having a legacy of more than 52 years. The group believes in empowering & delegating to scale new heights. It has a presence throughout India with a strong, dedicated & loyal chain of distributors & dealers. It is managed by a team rich with 3 generations - experienced as well as flexible & open to modern technology & management skills.

We believe in offering solutions under one roof with continued focus on customer & proactive initiatives. We believe in long term healthy & mutually beneficial association with all business associates and a open, transparent & conducive working environment for all.

Expansion, Diversification, Upgradation is an ongoing process focused at optimum utilisation of resources, generating & conserving power and striving to be the first choice to the customers.



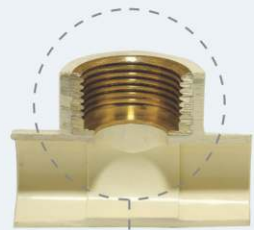
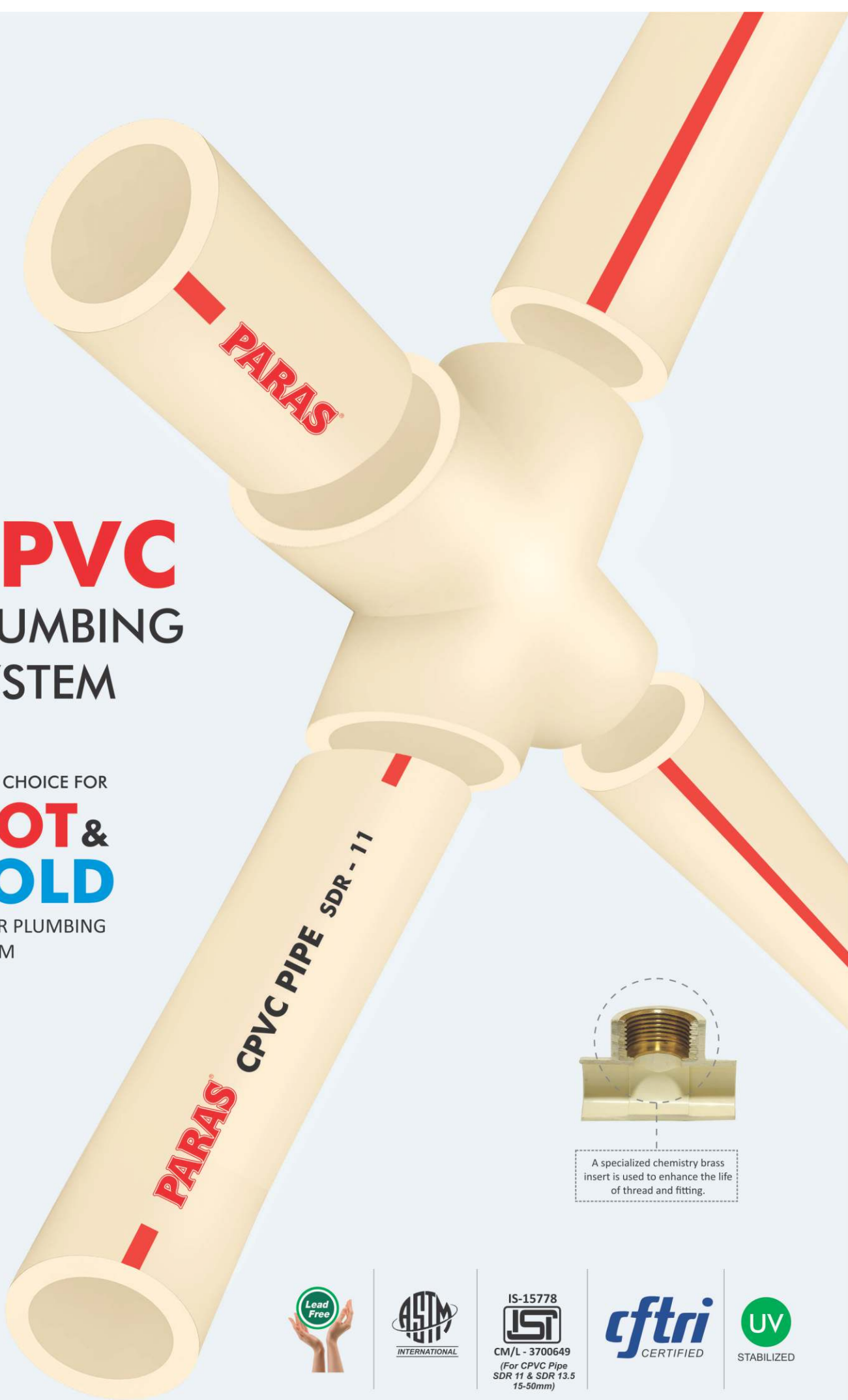


# CPVC PLUMBING SYSTEM

RIGHT CHOICE FOR

## HOT & COLD

WATER PLUMBING  
SYSTEM



A specialized chemistry brass insert is used to enhance the life of thread and fitting.



IS-15778  
  
CM/L - 3700649  
(For CPVC Pipe  
SDR 11 & SDR 13.5  
15-50mm)



# PERFORMANCE BENEFITS



## Tests Methods for Quality Control



### TEST PROCEDURE FOR THE PIPE :

- **Dimensional Test :**  
To ensure that all dimensions confirm to appropriate standards.
- **Flattening Test :**  
Sample pipes are compressed to check that despite compression, pipes do not crack.
- **Burst Pressure Test :**  
Ensure maximum internal pressure to be over three times normal pressure rating for the pipes
- **Drop Impact Test :**  
Ensures rated weights are dropped on to the pipes, without cracks or failures.
- **Heat Reversion Test :**  
Ensures permitted residual stresses are only left in pipes after the pipe is produced.

### TEST PROCEDURE FOR THE FITTINGS :

- **Dimensional Test :**  
Ensures Correctness of dimensions for wall thickness, socket diameters and sockets depths as per relevant standards.
- **Burst Pressure Test :**  
Ensures maximum burst pressure of fitting must be over three times the normal pressure rating.

### AREAS OF APPLICATIONS :

- Residential Apartments
- Villas and Individual Homes
- Office Complexes
- Hotels
- Hospitals

### DIMENSIONS AND WATER PRESSURE RATING AT 23°C & 82°C FOR CPVC PIPES AS PER IS : 15778

Nominal Size		Outside Diameter (mm)	Wall Thickness (mm)	SDR 11				SDR 13.5			
				Pressure Rating, PSI (kg/cm <sup>2</sup> )				Pressure Rating, PSI (kg/cm <sup>2</sup> )			
				(inch)	(mm)	73.4°F (23°C)	180°F (82°C)	73.4°F (23°C)	180°F (82°C)		
½	(15)	15.9 ± 0.08	1.73 ± 0.51	400 (28.1)	100 (7.0)	1.40 ± 0.51	320 (22.5)	80 (5.6)			
¾	(20)	22.2 ± 0.08	2.03 ± 0.51	400 (28.1)	100 (7.0)	1.65 ± 0.51	320 (22.5)	80 (5.6)			
1	(25)	28.6 ± 0.08	2.59 ± 0.51	400 (28.1)	100 (7.0)	2.12 ± 0.51	320 (22.5)	80 (5.6)			
1¼	(32)	34.9 ± 0.08	3.18 ± 0.51	400 (28.1)	100 (7.0)	2.59 ± 0.51	320 (22.5)	80 (5.6)			
1½	(40)	41.3 ± 0.10	3.76 ± 0.51	400 (28.1)	100 (7.0)	3.06 ± 0.51	320 (22.5)	80 (5.6)			
2	(50)	54.0 ± 0.10	4.90 ± 0.58	400 (28.1)	100 (7.0)	4.00 ± 0.58	320 (22.5)	80 (5.6)			

\* For ½" wall thickness minimum is not a function of SDR.

### DIMENSIONS AND WATER PRESSURE RATING AT 23°C & 82°C FOR CPVC PIPES AS PER ASTM F 441

Nominal Size		Outside Diameter (mm)	Wall Thickness (mm)	SCH. 40				SCH. 80			
				Pressure Rating, PSI (kg/cm <sup>2</sup> )				Pressure Rating, PSI (kg/cm <sup>2</sup> )			
				(inch)	(mm)	73.4°F (23°C)	180°F (82°C)	73.4°F (23°C)	180°F (82°C)		
2½	(65)	73.0 ± 0.18	5.16 + 0.61	300 (20.0)	75 (5.17)	7.01 + 0.84	420 (29.0)	105 (7.24)			
3	(80)	88.9 ± 0.20	5.49 + 0.66	260 (17.9)	65 (4.48)	7.62 + 0.91	370 (25.5)	90 (6.20)			
4	(100)	114.3 ± 0.23	6.02 + 0.71	220 (15.2)	55 (3.79)	8.56 + 1.02	320 (22.1)	80 (5.51)			

### Consumption of Solvent Cement

Pipe size (inch)	½	¾	1	1¼	1½	2	3	4
No. of Fitting Joints per Litre	1200	750	500	450	325	225	50	40



### CPVC Pipe - SDR - 11 Class 1 (3m & 5m) - HSN CODE - 3917

Size (inch)	Size (mm)	Std. Pkg.
1/2	15	50
3/4	20	50
1	25	25
1 1/4	32	20
1 1/2	40	10
2	50	10

### CPVC Pipe - SDR - 13.5 Class 2 (3m & 5m) - HSN CODE - 3917

Size (inch)	Size (mm)	Std. Pkg.
1/2	15	50
3/4	20	50
1	25	25
1 1/4	32	20
1 1/2	40	10
2	50	10

### CPVC FITTINGS - HSN CODE - 3917

#### ELBOW



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	300
3/4	20	300
1	25	125
1 1/4	32	75
1 1/2	40	40
2	50	20

#### FTA PLASTIC THREADED



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	300
3/4	20	325
1	25	175
1 1/4	32	100
1 1/2	40	50
2	50	30

#### TEE



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	250
3/4	20	200
1	25	100
1 1/4	32	50
1 1/2	40	30
2	50	15

#### REDUCING FTA PLASTIC THREADED

3/4 X 1/2	20x15	400
1 X 1/2	25x15	300

#### COUPLER



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	400
3/4	20	400
1	25	200
1 1/4	32	125
1 1/2	40	100
2	50	36

#### UNION



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	150
3/4	20	100
1	25	75
1 1/4	32	60
1 1/2	40	40
2	50	18

#### MTA PLASTIC THREADED



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	350
3/4	20	400
1	25	225
1 1/4	32	125
1 1/2	40	75
2	50	48

#### BEND 45°



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	350
3/4	20	200
1	25	175
1 1/4	32	50
1 1/2	40	50
2	50	24

#### REDUCING MTA PLASTIC THREADED

3/4 X 1/2	20x15	400
1 X 1/2	25x15	300

#### END CAP



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	750
3/4	20	350
1	25	200
1 1/4	32	200
1 1/2	40	125
2	50	50

## CPVC FITTINGS - HSN CODE - 3917

### TRANSITION BUSH



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	400
3/4	20	350
1	25	200
1 1/4	32	125
1 1/2	40	125
1 X 3/4	25x20	200

### BALL VALVE



1/2	15	56
3/4	20	60
1	25	35
1 1/4	32	12
1 1/2	40	08
2	50	05

### CROSS TEE



1/2	15	150
3/4	20	75
1	25	75

### TANK CONNECTOR



1/2	15	75
3/4	20	40
1	25	30
1 1/4	32	40
1 1/2	40	30
2	50	20

### TANK CONNECTOR SOCKET TYPE



1/2	15	125
3/4	20	40
1	25	40
1 1/4	32	40
1 1/2	40	30
2	50	20

### BEND FABRICATED (SOCKET TYPE)



1/2	15	50
3/4	20	50
1	25	50
1 1/4	32	15
1 1/2	40	15

### STEP OVER BEND



1/2 (FAB.)	15	50
3/4	20	70
1	25	30
1 1/4 (FAB.)	32	20
1 1/2 (FAB.)	40	15

### CIRCUIT TESTING PLUG



1/2	15	200
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### REDUCER



Size (inch)	Size (mm)	Std. Pkg.
3/4 X 1/2	20x15	250
1 X 1/2	25x15	350
1 X 3/4	25x20	300
1 1/4 X 1/2	32x15	200
1 1/4 X 3/4	32x20	175
1 1/4 X 1	32x25	150
1 1/2 X 1/2	40x15	125
1 1/2 X 3/4	40x20	125
1 1/2 X 1	40x25	100
1 1/2 X 1 1/4	40x32	75
2 X 1/2	50x15	60
2 X 3/4	50x20	60
2 X 1	50x25	50
2 X 1 1/4	50x32	40
2 X 1 1/2	50x40	60

### REDUCING BUSH



3/4 X 1/2	20x15	300
1 X 1/2	25x15	300
1 X 3/4	25x20	300
1 1/4 X 1/2	32x15	125
1 1/4 X 3/4	32x20	300
1 1/4 X 1	32x25	250
1 1/2 X 1/2	40x15	175
1 1/2 X 3/4	40x20	175
1 1/2 X 1	40x25	175
1 1/2 X 1 1/4	40x32	175
2 X 1/2	50x15	75
2 X 3/4	50x20	75
2 X 1	50x25	75
2 X 1 1/4	50x32	75
2 X 1 1/2	50x40	75

### REDUCING TEE



3/4 X 1/2	20x15	200
1 X 1/2	25x15	125
1 X 3/4	25x20	125
1 1/4 X 3/4	32x20	60
1 1/4 X 1	32x25	50
1 1/2 X 3/4	40x20	40
1 1/2 X 1	40x25	30
2 X 3/4	50x20	24
2 X 1	50x25	30
2 X 1 1/2	50x40	18

### NON RETURN VALVE



3/4	20	25
1	25	24

\* Warranty applicable only if PARAS CPVC Pipes & Fittings is used with PARAS Solvent for Jointing.



Fire Retardant



Lowest Bacterial Growth

## CPVC FITTINGS - HSN CODE - 3917

### PIPE CLIP PLASTIC



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	-
3/4	20	450
1	25	400
1 1/4	32	300
1 1/2	40	200
2	50	150

### PIPE CLIP METAL

1/2	15	200
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### 3 In 1 MIXER ADAPTOR 7" (HOT SIDE - COLD DOWN)



Size (inch)	Size (mm)	Std. Pkg.
3/4 X 1/2	20X15	8

### BRASS ELBOW



1/2 X 1/2	15x15	150
3/4 X 3/4	20x20	75
1x1	25x25	40
3/4 X 1/2	20x15	100
1 X 1/2	25x15	50
1 X 3/4	25x20	50

### 3 In 1 MIXER ADAPTOR 6" (ALL TOP)



3/4 X 1/2	20X15	8
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### 3 In 1 MIXER ADAPTOR 6" (TOP-BOTTOM)



3/4 X 1/2	20X15	8
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### 3 In 1 MIXER ADAPTOR 6" (TOP & SIDE)



3/4 X 1/2	20X15	8
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### 3 In 1 MIXER ADAPTOR 6" (HOT TOP - COLD DOWN)



3/4 X 1/2	20X15	8
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### 3 In 1 MIXER ADAPTOR 6" (HOT SIDE - COLD DOWN)



3/4 X 1/2	20X15	8
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### 3 In 1 MIXER ADAPTOR 7" (ALL TOP)



3/4 X 1/2	20X15	8
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### 3 In 1 MIXER ADAPTOR 7" (TOP-BOTTOM)



3/4 X 1/2	20X15	8
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### 3 In 1 MIXER ADAPTOR 7" (TOP & SIDE)



3/4 X 1/2	20X15	8
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### 3 In 1 MIXER ADAPTOR 7" (HOT TOP - COLD DOWN)



3/4 X 1/2	20X15	8
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### BRASS TEE



1/2 X 1/2 X 1/2	15x15x15	100
3/4 X 3/4 X 3/4	20x20x20	50
1x1x1	25x25x25	30
3/4 X 3/4 X 1/2	20x20x15	75
1 X 1 X 1/2	25x25x15	50
1 X 1 X 3/4	25x25x20	40

### BRASS MTA



1/2	15	100
3/4	20	100
1	25	30
1 1/4	32	24
1 1/2	40	20
2	50	10

### REDUCING BRASS MTA



3/4 X 1/2	20x15	100
1 X 1/2	25x15	100
1 X 3/4	25x20	100

### BRASS FTA



1/2	15	100
3/4	20	100
1	25	30
1 1/4	32	24
1 1/2	40	20
2	50	10

### REDUCING BRASS FTA



3/4 X 1/2	20x15	125
1 X 1/2	25x15	100
1 X 3/4	25x20	100

### ELBOW HOLDER



3/4 X 1/2	20x15	100
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## CPVC FITTINGS - HSN CODE - 3917

CPVC Pipe in Sch 40 and 80 as per ASTM F 441 & Fittings in Sch. 80 as per ASTM F 439

CPVC PIPE - SCH. 40 (3m & 5m)			
Size (inch)	Size (mm)	Std. Pkg.	
2½	65	5	
3	80	3	
4	100	3	

CPVC PIPE - SCH. 80 (3m & 5m)			
Size (inch)	Size (mm)	Std. Pkg.	
2½	65	5	
3	80	3	
4	100	3	

## CPVC FITTINGS - HSN CODE - 3917

COUPLER			
Size (inch)	Size (mm)	Std. Pkg.	
2½	65	18	
3	80	12	
4	100	8	

ELBOW			
Size (inch)	Size (mm)	Std. Pkg.	
2½	65	12	
3	80	6	
4	100	4	

TEE			
Size (inch)	Size (mm)	Std. Pkg.	
2½	65	6	
3	80	4	
4	100	2	

END CAP			
Size (inch)	Size (mm)	Std. Pkg.	
2½	65	36	
3	80	-	
4	100	--	

REDUCING BUSH			
Size (inch)	Size (mm)	Std. Pkg.	
3x2	80x50	24	
3x2½	80x65	24	
4x2	100x50	12	
4x2½	100x65	12	
4x3	100x80	12	

MTA PLASTIC THREADED			
Size (inch)	Size (mm)	Std. Pkg.	
2½	65	18	
3	80	18	
4	100	8	

FTA PLASTIC THREADED			
Size (inch)	Size (mm)	Std. Pkg.	
2½	65	18	
3	80	12	
4	100	8	

UNION			
Size (inch)	Size (mm)	Std. Pkg.	
2½	65	6	
3	80	4	

CPVC SOLVENT CEMENT - HSN CODE - 3506			
CPVC SOLVENT CEMENT (TIN & TUBE)			
Size (ml)	Std. Pkg.		
20ml (Tube)	100		
50ml (Tube)	50		
59ml (Tin)	30		
120ml (Tin)	24		
240ml (Tin)	24		

CPVC SOLVENT CEMENT HEAVY DUTY			
Size	Std. Pkg.		
240ml - 8 oz	24		
480ml - 16 oz	12		
960ml - 32 oz	06		

## COMPLIMENTARY SECTION

P.T.F.E THREAD SEALANT TAPE - HSN CODE - 3920			
P.T.F.E. Thread Sealant Tape			
Size (m)	Std. Pkg.		
½ X 10m	250		
½ X 15m	250		

Consealed Cock (Quarter Turn)			
Size (inch)	Std. Pkg.		
¾	12		

Consealed Cock (Half Turn)			
Size (inch)	Std. Pkg.		
1"	12		

Consealed Cock (Full Turn)			
Size (inch)	Std. Pkg.		
¾	12		

Collapsible Waste Pipe			
Size	Std. Pkg.		
32mm (1½ Inlet)	100		

Connection Tube			
Size	Std. Pkg.		
1½ Feet (460mm)	75		
2 Feet (600mm)	75		
3 Feet (915mm)	75		

Braided Connection Tube			
Size	Std. Pkg.		
1½ Feet (460mm)	75		
2 Feet (600mm)	75		
3 Feet (915mm)	75		