

# TECHNICAL DATA SHEET



## CPVC PIPES FOR HOT AND COLD WATER APPLICATION

Control No.: QC/TDS/84/21 2-1

### STANDARD SPECIFICATION: ASTM F 441

Test Property	Specification	Test Method
Cell Designation	23447	ASTM D 1784
Impact Izod	80.1 J/m of notch	ASTM D 256
Tensile Strength	48.6 Mpa	ASTM D 639
Modulus of Elasticity in Tension	2500 Mpa	ASTM D 639
Flattening Test	No cracking, no splitting, no blistering after compressing at 60 % of O.D.	ASTM D-2241
Deflection Temp. @ 1.82 MPa	100°C	ASTM D 648
Vicat Softening	110°C	DIN 53460
Chemical Test (Acetone)	Pipe shall not flake or disintegrated after immersed to acetone for 20 minute.	ASTM F 441
Length	6000mm ± 10	ASTM F 441
Outside Diameter	(Refer to attached file for the specification)	ASTM F 441
Wall Thickness	(Refer to attached file for the specification)	ASTM F 441
Sustained Pressure Test	The pipe shall not be fail, balloon, burst or weep under @ 23 °C water. (refer to the attached table for pressure)	ASTM F 441
Burst Test	The minimum burst of pipe shall be as per attached table @ 23° C water.	ASTM F 441
Rating Pressure	(Refer to attached file for the specification)	ASTM F 441

### Saudi Industries for Pipes Co.

Jeddah Commercial Centre, 3rd Floor, Al Maady Street, Corniche Al Hamra

P.O. Box 7346, Jeddah 21462, Saudi Arabia T +966 12 6531576 F +966 12 6532612

# TECHNICAL DATA SHEET



## SCHEDULE 40

Size	Outside Diameter	Wall Thickness	Rating Pressure	Sustained Pressure Test	Burst Pressure Minimum	Test Method
½"	21.30 ± 0.10	2.77 + 0.51	600 PSI	1250 PSI	1910 PSI	ASTM F 441
¾"	26.70 ± 0.10	2.87 + 0.51	480 PSI	1010 PSI	1540 PSI	
1"	33.40 ± 0.13	3.38 + 0.51	450 PSI	950 PSI	1440 PSI	
1 ½	48.30 ± 0.15	3.68 + 0.51	330 PSI	690 PSI	1060 PSI	

## SCHEDULE 80

Size	Outside Diameter	Wall Thickness	Rating Pressure	Sustained Pressure Test	Burst Pressure Minimum	Test Method
½"	21.30 ± 0.10	3.73 + 0.51/0	850	1780 PSI	2720 PSI	ASTM F 441
¾"	26.70 ± 0.10	3.91 + 0.51/0	690	1440 PSI	2200 PSI	
1"	33.40 ± 0.13	4.55 + 0.53/0	630	1320 PSI	2020 PSI	
1 ½	48.30 ± 0.15	5.08 + 0.61/0	470	990 PSI	1510 PSI	

**Saudi Industries for Pipes Co.**

Jeddah Commercial Centre, 3rd Floor, Al Maady Street, Corniche Al Hamra

P.O. Box 7346, Jeddah 21462, Saudi Arabia **T** +966 12 6531576 **F** +966 12 6532612