

**GB/T32018.1-2015 Modified impact resistance poly(vinyl chloride)(PVC-M) pipe system for water supply-Part 1: Pipes**

Nominal Outside Diameter $d_n$ (mm)	Pipe Series S and Nominal Pressure PN					Rubber Ring Joints Minimum Socket Depth $m_{min}$	Solvent Cement Joints Minimum Socket Depth $m_{min}$
	S20	S16	S12.5	S10	S8		
	SDR41	SDR33	SDR26	SDR21	SDR17		
	PN8	PN10	PN12.5	PN16	PN20		
Nominal Wall Thickness $e_n$							
63	2.0	2.0	2.5	3.0	3.8	64.0	37.5
75	2.0	2.3	2.9	3.6	4.5	67.0	43.5
90	2.2	2.8	3.5	4.3	5.4	70.0	51.0
110	2.7	3.4	4.2	5.3	6.6	75.0	61.0
125	3.1	3.9	4.8	6.0	7.4	78.0	68.5
140	3.5	4.3	5.4	6.7	8.3	81.0	76.0
160	4.0	4.9	6.2	7.7	9.5	86.0	86.0
180	4.4	5.5	6.9	8.6	10.7	90.0	96.0
200	4.9	6.2	7.7	9.6	11.9	94.0	106.0
225	5.5	6.9	8.6	10.8	13.4	100.0	118.5
250	6.2	7.7	9.6	11.9	14.8	105.0	-
280	6.9	8.6	10.7	13.4	16.6	112.0	-
315	7.7	9.7	12.1	15.0	18.7	118.0	-
355	8.7	10.9	13.6	16.9	21.1	124.0	-
400	9.8	12.3	15.3	19.1	23.7	130.0	-
450	11.0	13.8	17.2	21.5	26.7	138.0	-
500	12.3	15.3	19.1	23.9	29.7	145.0	-
560	13.7	17.2	21.4	26.7	-	154.0	-
630	15.4	19.3	24.1	30.0	-	165.0	-
710	17.4	21.8	27.2	-	-	177.0	-
800	19.6	24.5	30.6	-	-	190.0	-

- 1: The minimum required strength of the pipe is not less than 24.5MPa, the nominal wall thickness ( $e_n$ ) is determined according to the design stress ( $\sigma_s$ ) 16MPa, and the minimum wall thickness of the pipe is 2.0mm.
- 2: “-” Indicates not recommended.
- 3: When the length of the pipe is longer than 12 m, the rubber ring joints socket depth  $m_{min}$  needs to be designed separately.