Chaika Polymers Pvt Ltd

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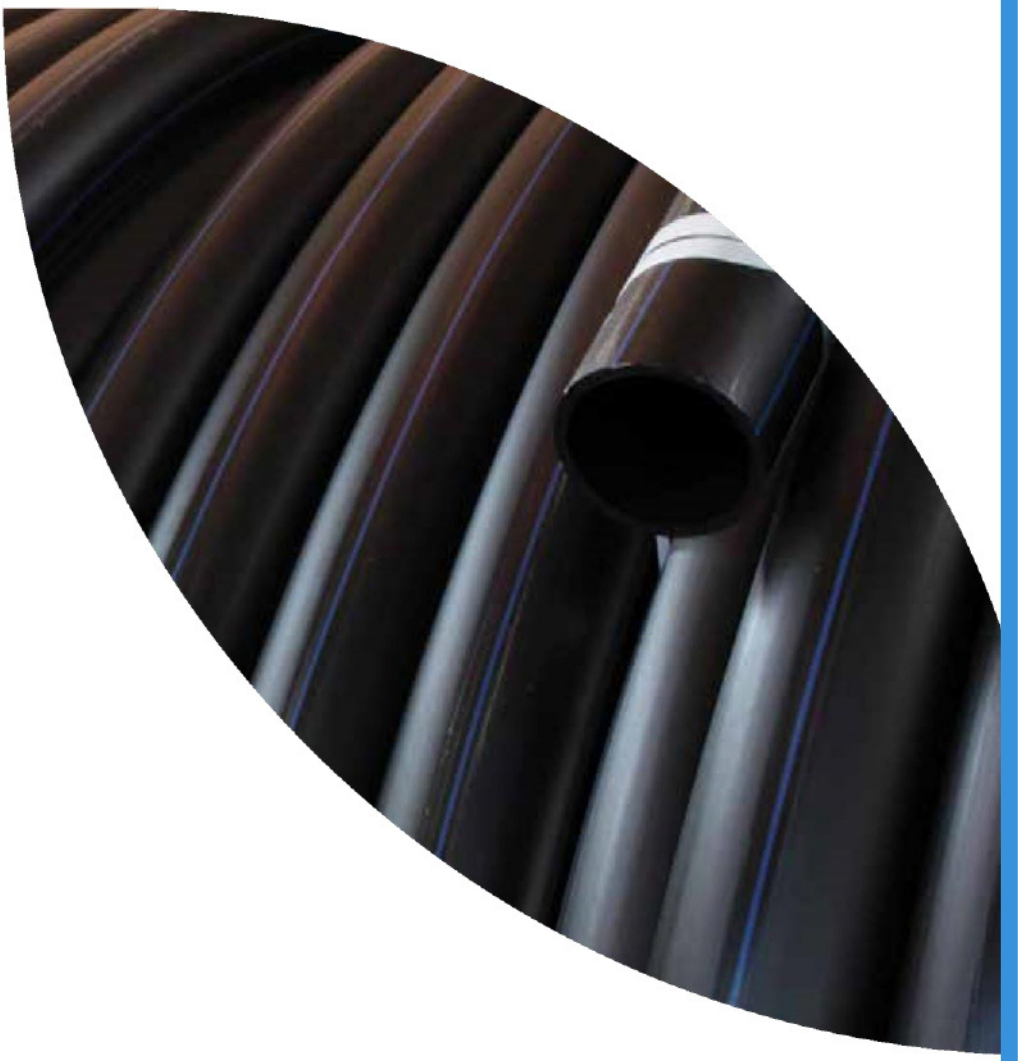

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OUR USP

- Great Quality
- On time Delivery
- Great Pricing with Greatest Quality
- 15 Years Of Experience
- Great After Sales Service
- State Of the Art Technology Used For Production (German , Italian)

BIS AND ISO CERTIFICATION

(i). IS 4985:2000
Application- For Portable water supply and Electrical conduits etc.

(ii). IS 12818:2010- Casing pipes (Boring)

(iii). IS 15328:2003- For drainage and sewerage system.

(iv). ASTM-D-1785- For drinking water application.

(v). ISO- TUV 9001-2015.

(vi). IS 4984:2016- (HDPE Pressure Pipe)
Application-
Drinking water, Irrigation, Electricals and others.

(vii). IS 14333:1996:-
Application- For Sewer and Drainage System.

(viii). ISO 4427:2007- (MDPE Pipes).
Application-
Drinking water, Electricals, Ducting etc.

(ix). ISO- TUV 9001-2015.

(x) QSI ISO 4427-2:2007

CHAIKA POLYMERS PVT.LTD.

(MANUFACTURER OF UPVC, HDPE, MDPE PIPES)

GST NO:- 20AACCC8347F1Z0
HSN CODES - 39172390, 3917

We are a **Private Limited. SSI Unit** registered with **MSME and NSIC** manufacturers of uPVC & PE pipes situated in the **State of Jharkhand (RANCHI)** since the year 2005 , we are BIS and ISO certified company with our consumer base all over through INDIA

MAIN PRODUCTS

1. uPvc Pipes
2. HDPE Pipes
3. MDPE Pipes
4. FITTINGS

PRODUCTION CAPACITY AND SIZE RANGE

(i). HDPE/MDPE: - Pipes
Production Capacity- 2300 MT/Yr.
Size range 20 mm to 400 mm

ii). uPvc Pipes: -
Production Capacity-2400 MT/Yr.
Size range - 15mm to 250 mm

Our Well Reputed Customers

- Govt Of INDIA
- Govt. of Bihar
- Govt. of Rajasthan
- Govt. of Andhra Pradesh
- Govt. of West Bengal
- Simplex Infrastructures Ltd
- Govt. of Jharkhand
- Hindalco
- N.T.P.C (National Thermal Power Corporation Ltd)
- NAL JAL YOJANA (Govt Of Bihar)
- Shapoorji Pallonji and Company
- Private Limited
- Larsen & Toubro Ltd
- TISCO (Tata Iron and Steel Company)
- VA Tech Wabag Limited
- Bokaro Steel Plant
- Indian Railways
- Birsa Munda Airport (Jharkhand)

HDPE Pipes

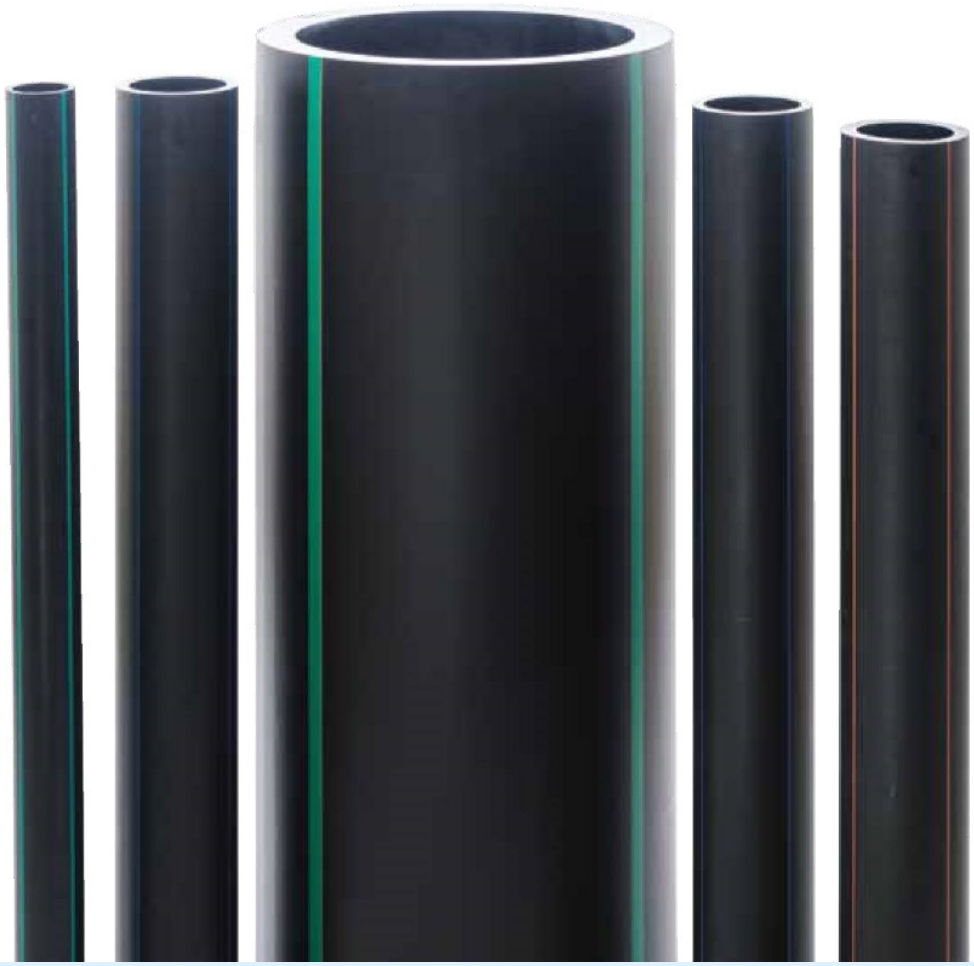
Chaika Polymers Pvt Ltd (Ranchi) is a pioneer in the manufacture of plastic pipe systems in Eastern India. Today's modern polyethylene resins are highly engineered for rigorous applications within a wide range of applications where a tough, ductile material is required to assure longterm performance.

polyethylene pipes provide a cost effective solution for a wide range of piping applications such as water supply, drainage and sewerage, gas distribution, industrial piping for slurry and abrasive materials, liner for petroleum flow lines, electrical and telecommunication cable ducting.

One of the major factors that contribute to the growth of polyethylene as a piping material is the cost savings in installation. polyethylene pipe is a tough and durable system whilst retaining its flexibility and leak proof characteristics thus ensuring lower maintenance costs and increased service life as compared to traditional piping materials.

HDPE pipes produced by CHAIKA POLYMERS ranges from 20 mm to 400 mm in diameter. The smaller sizes are available in coils whilst the bigger pipes are cut to pipe lengths (e.g. 6 m, 12 m or as required by you). The company provides transport for bulk purchases to our customer's destination.

Based on our customer's request, Chaika Polymers is on hand to provide competent technical advice and support.



IS 4984 : 2016

(High Density
Poly Ethyl Pipes That are used for water transportation , agriculture , electrical and many other purposes)

(Clauses 7.4 and E -4.3)																				
SDR	SDR 41		SDR 33		SDR 26		SDR 21		SDR 17		SDR 13.6		SDR 11		SDR 9		SDR 7.4		SDR 6	
PE 63	PN 2		PN2.5		PN3.2		PN 4		PN 5		PN 6		PN 8							
PE 80	PN2.5		PN3.2		PN 4		PN 5		PN 6		PN 8		PN 10		PN 12.5		PN 16		PN 20	
PE 100	PN 3		PN 4		PN 5		PN 6		PN 8		PN 10		PN 12.5		PN 16		PN 20			
Nominal OD																				
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
16															1.8	2.1	2.2	2.5	2.7	3.1
20													1.9	2.2	2.3	2.6	2.7	3.1	3.4	3.8
25											1.9	2.2	2.3	2.6	2.8	3.2	3.4	3.8	4.2	4.7
32									1.9	2.2	2.4	2.7	2.9	3.3	3.6	4.1	4.4	4.9	5.4	6
40							1.9	2.2	2.4	2.7	3	3.4	3.7	4.2	4.5	5.1	5.4	6	6.7	7.5
50					2	2.3	2.4	2.7	3	3.4	3.7	4.2	4.6	5.2	5.6	6.3	6.8	7.6	8.4	9.3
63					2.5	2.9	3	3.4	3.7	4.2	4.7	5.3	5.8	6.5	7	7.8	8.6	9.6	10.5	11.7
75	1.9	2.2	2.3	2.6	2.9	3.3	3.6	4.1	4.5	5.1	5.6	6.3	6.9	7.7	8.4	9.3	10.2	11.3	12.5	13.9
90	2.2	2.5	2.8	3.2	3.5	4	4.3	4.8	5.3	5.9	6.7	7.5	8.2	9.1	10	11.1	12.2	13.5	15	16.6
110	2.7	3.1	3.4	3.8	4.3	4.8	5.9	6.6	6.5	7.3	8.1	9	10	11.1	12.3	13.6	14.9	16.5	18.4	20.3
125	3.1	3.5	3.8	4.3	4.8	5.4	6	6.7	7.4	8.2	9.2	10.2	11.4	12.7	13.9	15.4	16.9	18.7	20.9	23.1
140	3.5	4	4.3	4.8	5.4	6	6.7	7.5	8.3	9.2	10.3	11.4	12.8	14.2	15.6	17.3	19	21	23.4	25.8
160	3.9	4.4	4.9	5.5	6.2	6.9	7.7	8.6	9.5	10.6	11.8	13.1	14.6	16.2	17.8	19.7	21.7	24	26.7	29.5
180	4.4	4.9	5.5	6.2	7	7.8	8.6	9.6	10.6	11.8	13.3	14.7	16.4	18.1	20	22.1	24.4	26.9	30	33.1
200	4.9	5.5	6.1	6.8	7.7	8.6	9.6	10.7	11.8	13.1	14.7	16.3	18.2	20.1	22.3	24.6	27.1	29.9	33.4	36.8
225	5.5	6.2	6.9	7.7	8.7	9.7	10.8	12	13.3	14.7	16.6	18.4	20.5	22.7	25	27.6	30.5	33.7	37.5	41.4
250	6.1	6.8	7.6	8.5	9.7	10.8	12	13.3	14.7	16.3	18.4	20.3	22.8	25.2	27.8	30.7	33.8	37.3	41.7	46
280	6.9	7.7	8.5	9.5	10.8	12	13.4	14.8	16.5	18.3	20.6	22.8	25.5	28.2	31.2	34.4	37.9	41.8	46.7	51.5
315	7.7	8.6	9.6	10.7	12.2	13.5	15	16.6	18.6	20.6	23.2	25.6	28.7	31.7	35	38.6	42.6	47	52.5	57.9
355	8.7	9.7	10.8	12	13.7	15.2	16.9	18.7	20.9	23.1	26.1	28.8	32.3	35.6	39.5	43.6	48	52.9	59.2	65.2
400	9.8	10.9	12.2	13.5	15.4	17	19.1	21.1	23.6	26.1	29.5	32.6	36.4	40.1	44.5	49.1	54.1	59.6	66.7	73.5

NOTES
1. Tolerances calculated from (0.1 + 0.1) mm rounded up to the next 0.1 mm
2. All pressure ratings are calculated at 27*C and rounded up to nearest pressure class
3. Considering operational problems, maximum wall thickness of pipes are considered around 130 mm
*All dimensions are in millimeters

IS 14333 : 1996

(High Density
Poly Ethyl Pipes That are used waste managment
and water drainage many other purposes)

Wall Thickness of Pipes for Material Grade PE 63 (As Per IS-14333: 1996)

(Clause 6.2) All dimensions in millimetres														
Nominal Dia	Wall Thickness of Pipes for Pressure Ratings of													
	PN2.5		PN 4		PN 6		PN 8		PN 10		PN12.5		PN 16	
DN	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
63			4	4.6	5.8	6.6	7.5	8.5	9	10.1	10.9	12.2	13.3	14.9
75	3	3.5	4.7	5.4	6.9	7.8	8.9	10	10.8	12.1	13	14.5	15.8	17.6
90	3.6	4.2	5.7	6.5	8.2	9.3	10.6	11.9	12.9	14.4	15.6	17.4	19	21.1
110	4.4	5.1	6.9	7.8	10	11.2	13	14.5	15.8	17.6	19	21.1	23.2	25.8
125	5	5.7	7.9	8.9	11.4	12.8	14.8	16.5	17.9	19.2	21.6	24	26.4	29.3
140	5.6	6.4	8.8	9.9	12.8	14.3	16.5	18.4	20	22.2	24.2	26.9	29.5	32.7
160	6.4	7.3	10	11.2	14.6	16.3	18.9	21	22.9	25.4	27.6	30.6	33.7	37.3
180	7.2	8.2	11.3	12.7	16.4	18.3	21.2	23.6	25.8	28.6	31.1	34.5	37.9	41.9
200	8	9	12.5	14	18.2	20.3	23.6	26.2	28.6	31.7	34.5	38.2	42.2	46.7
225	9	10.1	14.1	15.8	20.5	22.8	26.5	29.4	32.32	35.7	38.8	42.9	47.4	52.4
250	10	11.2	15.7	17.5	22.8	25.3	29.5	32.7	35.8	39.6	43.2	47.8	52.7	58.2
280	11.2	12.6	17.5	19.5	25.5	28.3	33	36.5	40	44.2	48.3	53.4		
315	12.6	14.1	19.7	21.9	28.7	31.8	37.1	41.1	45	49.7	54.4	60.1		
355	14.2	15.9	22.2	24.7	32.3	35.8	41.8	46.2	50.8	56.1				
400	16	18.6	25	29	36.4	42.1	47.1	54.4	57.2	66				

Wall Thickness of Pipes for Material Grade PE 80 (As Per IS-14333: 1996)

(Clause 6.2) All dimensions in millimetres														
Nominal Dia	Wall Thickness of Pipes for Pressure Ratings Of													
	PN 2.5		PN 4		PN 6		PN 8		PN 10		PN 12.5		PN 16	
DN	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
63	_	_	3.0	3.5	4.4	5.1	5.8	6.6	7.0	7.9	8.6	9.7	10.5	11.8
75	2.3	2.8	3.6	4.2	5.3	6.1	6.9	7.8	8.4	9.5	10.2	11.5	12.5	14.0
90	2.8	3.3	4.3	5.0	6.3	7.2	8.2	9.3	10.0	11.2	12.2	13.7	15.0	16.7
110	3.4	4.0	5.3	6.1	7.7	8.7	10.0	11.2	12.3	13.8	14.9	16.6	18.4	20.5
125	3.8	4.4	6.0	6.8	8.8	9.9	11.4	12.8	13.9	15.5	16.9	18.8	20.9	23.2
140	4.3	5.0	6.7	7.6	9.8	11.0	12.8	14.3	15.6	17.4	19.0	21.1	23.4	26.0
160	4.9	5.6	7.7	8.7	11.2	12.6	14.6	16.3	17.8	19.8	21.7	24.1	26.7	29.6
180	5.5	6.3	8.6	9.7	12.6	14.1	16.4	18.3	20.0	22.2	24.4	27.1	30.0	33.2
200	6.1	7.0	9.6	10.8	14.0	15.6	18.2	20.3	22.3	24.8	27.1	30.1	33.4	37.0
225	6.9	7.8	10.8	12.1	15.7	17.5	20.5	22.8	25.0	27.7	30.5	33.8	37.5	41.5
250	7.6	8.6	12.0	13.4	17.5	19.5	22.8	25.3	27.8	30.8	33.8	37.4	41.7	46.1
280	8.5	9.6	13.4	15.0	19.6	21.8	25.5	28.3	31.2	34.6	37.9	41.9	46.7	51.6
315	9.6	10.8	15.0	16.7	22.0	24.4	28.7	31.8	35.0	38.7	42.6	47.1	52.5	58.0
355	10.8	12.1	17.0	18.9	24.8	27.5	32.3	35.8	39.5	43.7	48.0	53.0	59.2	65.4
400	12.2	14.3	19.1	22.2	28.0	32.4	36.4	42.1	44.5	51.4	54.1	62.5		

IS 14333 : 1996

(High Density
Poly Ethyl Pipes That are used waste managment
and water drainage many other purposes)

Wall Thickness of Pipes for Material Grade PE 100 (As Per IS-14333: 1996)

(Clause 6.2)										
All dimensions in millimetres										
Nominal Dia	Wall Thickness of Pipes for Pressure Ratings Of									
	PN 6		PN 8		PN 10		PN 12.5		PN 16	
DN	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
1	2	3	4	5	6	7	8	9	10	11
63	3.6	4.2	4.7	5.4	5.8	6.6	7	7.9	8.7	9.8
75	4.3	5	5.6	6.4	6.9	7.8	8.4	9.5	10.4	11.7
90	5.1	5.9	6.7	7.6	8.2	9.3	10	11.2	12.5	14
110	6.3	7.2	8.2	9.3	10	11.2	12.3	13.8	15.2	17
125	7.1	8.1	9.3	10.5	11.4	12.8	13.9	15.5	17.3	19.3
140	8	9	10.4	11.7	12.8	14.3	15.6	17.4	22.1	21.6
160	9.1	10.3	11.9	13.3	14.6	16.3	17.8	19.8	24.9	24.6
180	10.2	11.5	13.4	15	16.4	18.3	20	22.2	27.6	27.6
200	11.4	12.8	14.9	16.6	18.2	20.3	22.3	24.8	31.1	30.6
225	12.8	14.3	16.7	18.6	20.5	22.8	25	27.7	34.5	34.5
250	14.2	15.9	18.6	20.7	22.8	25.3	27.8	30.8	38.7	42.8
280	15.9	17.7	20.8	23.1	25.2	28.3	31.2	34.6	43.5	48.1
315	17.9	19.9	23.4	26	28.7	31.8	35	38.7	49	54.1
355	20.1	22.4	26.3	29.8	32.3	35.8	39.5	43.7	55.2	63.7
400	22.7	26.4	29.7	34.4	36.4	42.1	44.5	51.4		

NOTES
1. Tolerances calculated from (0.1 + 0.1) mm rounded up to the next 0.1 mm
2. All pressure ratings are calculated at 27*C and rounded up to nearest pressure class
3. Considering operational problems, maximum wall thickness of pipes are considered around 130 mm
*All dimensions are in millimeters

BS ISO 4427-2:2007

(Medium Density
Poly Ethyl Pipes (MDPE) pipes that are lighter in weight than the HDPE pipes , commonly used for water transportation and electrical condiucts)

Wall Thickness of MDPE pipes (BS ISO 4427-2:2007)

WALL THICKNESS OF HDPE PIPES CONFORMING TO ISO 4427																					
Pipe Series																					
SDR			6		7.4		9		11		13.6		17		21		26		33		41	
Series S			2.5		3.2		4		5		6.3		8		10		12.5		16		20	
Nominal Pressure (PN) bar																					
PE63			-		-		-		PN 10		PN 8		-		PN 5		PN 4		PN 3.2		PN 2.5	
PE80			PN 25		PN 20		PN 16		PN 12.5		PN 10		PN 8		PN 6		PN 5		PN 4		PN 3.2	
PE100			-		PN 25		PN 20		PN 16		PN 12.5		PN 10		PN 8		PN 6		PN 5		PN 4	
OD	Tolerances		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
16	0.3	1.2	3	3.4	2.3	2.7	2	2.3														
20	0.3	1.2	3.4	3.9	3	3.4	2.3	2.7	2	2.3												
25	0.3	1.2	4.2	4.8	3.5	4	3	3.4	2.3	2.7	2	2.3										
32	0.3	1.3	5.4	6.1	4.4	5	3.6	4.1	3	3.4	2.4	2.8	2	2.3								
40	0.4	1.4	6.7	7.5	5.5	6.2	4.5	5.1	3.7	4.2	3	3.5	2.4	2.8	2	2.3						
50	0.5	1.4	8.3	9.3	6.9	7.7	5.6	6.3	4.6	5.2	3.7	4.2	3	3.4	2.4	2.8	2	2.3				
63	0.6	1.5	10.5	11.7	8.6	9.6	7.1	8	5.8	6.5	4.7	5.3	3.8	4.3	3	3.4	2.5	2.9				
75	0.7	1.6	12.5	13.9	10.3	11.5	8.4	9.4	6.8	7.6	5.6	6.3	4.5	5.1	3.6	4.1	2.9	3.3				
90	0.9	1.8	15	16.7	12.3	13.7	10.1	11.3	8.2	9.2	6.7	7.5	5.4	6.1	4.3	4.9	3.5	4				
110	1	2.2	18.3	20.3	15.1	16.8	12.3	13.7	10	11.1	8.1	9.1	6.6	7.4	5.3	6	4.2	4.8				
125	1.2	2.5	20.8	23	17.1	19	14	15.6	11.4	12.7	9.2	10.3	7.4	8.3	6	6.7	4.8	5.4				
140	1.3	2.8	23.3	25.8	19.2	21.3	15.7	17.4	12.7	14.1	10.3	11.5	8.3	9.3	6.7	7.5	5.4	6.1				
160	1.5	3.2	26.6	29.4	21.9	24.2	17.9	19.8	14.6	16.2	11.8	13.1	9.5	10.6	7.7	8.6	6.2	7				
180	1.7	3.6	29.9	33	24.6	27.2	20.1	22.3	16.4	18.2	13.3	14.8	10.7	11.9	8.6	9.6	6.9	7.7				
200	1.8	4	33.2	36.7	27.4	30.3	22.4	24.8	18.2	20.2	14.7	16.3	11.9	13.2	9.6	10.7	7.7	8.6				
225	2.1	4.5	37.4	41.3	30.8	34	25.2	27.9	20.5	22.7	16.6	18.4	13.4	14.9	10.8	12	8.6	9.6				
250	2.3	5	41.5	45.8	34.2	37.8	27.9	30.8	22.7	25.1	18.4	20.4	14.8	16.4	11.9	13.2	9.6	10.7				
280	2.6	9.8	46.5	51.3	38.3	42.3	31.3	34.6	25.4	28.1	20.6	22.8	16.6	18.4	13.4	14.9	10.7	11.9				
315	2.9	11.1	52.3	57.7	43.1	47.6	35.2	38.9	28.6	31.6	23.2	25.7	18.7	20.7	15	16.6	12.1	13.5	9.7	10.8	7.7	8.6
355	3.2	12.5	59	65	48.5	53.5	39.7	43.8	32.2	35.6	26.1	28.9	21.1	23.4	16.9	18.7	13.6	15.1	10.9	12.1	8.7	9.7
400	3.6	14			54.7	60.3	44.7	49.3	36.3	40.1	29.4	32.5	23.7	26.2	19.1	21.2	15.3	17	12.3	13.7	9.8	10.9

NOTES
1. Tolerances calculated from (0.1 + 0.1) mm rounded up to the next 0.1 mm
2. All pressure ratings are calculated at 27*C and rounded up to nearest pressure class
3. Considering operational problems, maximum wall thickness of pipes are considered around 130 mm
*All dimensions are in millimeters

CHAIKA POLYMERS PVT LTD

Contact Us

Feel Free to Contact us For Any Assistance Or Enquiry

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Check out our BIS & ISO certificates at ;-

Check out our prices at ;-