



Quality Guaranteed

Quality
with
commitment

PLASCO MDPE PIPES & FITTINGS

ASTM-D-2513, DIN 8075, ISO 4437
Size Range: 20mm to 160mm (1/2" to 6")



For Contact & Queries | info@plascopipes.com
0533-589620-21 | www.plascopipes.com

ABOUT US

PLASCO PIPES is one of leading manufacturer of uPVC, PPRC, SWV, PPRC, ELECTRIC CONDUIT, HDPE, MDPE Pipes and Fitting in Pakistan. We are acknowledged as one of Quality Manufacturer by all our valued clients. Our Pipes conform to BSS, PS, and ASTM & DIN Standards. The Company has been certified to ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018. As a mark of appreciation of quality manufacturing practices we are approved by leading specifying Agencies in Pakistan like PSQCA, HUD & PHED, C&W, Building dept and MES etc. PLASCO PIPES are manufactured by a team of highly skilled professionals under strict supervision of management team. The sole purpose of PLASCO is to live up the expectations and satisfaction of its valued customers. We at PLASCO, have established state of the art manufacturing set up which includes high tech and latest automatic extrusion system with a well equipped testing laboratory.

ADVANTAGES OF USING PLASCO MDPE PIPES

- Ductile
- Highly flexible
- Long-term service life
- Fast & easy installation
- Low temperature toughness
- Significant overall cost savings
- Strong, durable, flexible and lightweight
- Highly-resistant to corrosion, abrasion and chemicals

STANDARDS & SPECIFICATIONS

PE Gas Installations

ASTM-D 2513, DIN 8075, ISO 4437

Size Range: 20mm to 160mm (1/2" to 6")

PE PIPES STANDARD SPECIFICATIONS

PLASCO Pipes offers PE Pipes produced in accordance with International Standards PS 3580:1994, ASTM-D 2513 for Gas applications.

Gas (Dimensions in Millimeters)

DN	SDR-26	SDR-21	SDR-17	SDR-13.6	SDR-11	SDR-9.33
O.D (mm)	^e (mm)	^e (mm)	^e (mm)	^e (mm)	^e (mm)	^e (mm)
16	-	-	-	-	2.3	3.0
20	-	-	-	-	2.3	3.0
25	-	-	-	2.0	2.3	3.0
32	-	-	2.0	2.4	3.0	3.6
40	-	2.0	2.4	3.0	3.7	4.5
50	2.0	2.4	3.0	3.7	4.6	5.6
63	2.5	3.0	3.8	4.7	5.8	7.1
75	2.9	3.6	4.5	5.6	6.8	8.4
90	3.5	4.3	5.4	6.7	8.2	10.1
110	4.2	5.3	6.6	8.1	10.0	12.3
125	4.8	6.0	7.4	9.2	11.4	14.0
140	5.4	6.7	8.3	10.3	12.7	15.7
160	6.2	7.7	9.5	11.8	14.6	17.0
180	6.9	8.6	10.7	13.3	16.4	20.1
200	7.7	9.6	11.9	14.7	18.2	22.4
225	8.6	10.8	13.4	16.6	20.5	25.2
250	9.6	11.9	14.8	18.4	22.7	27.9
280	10.7	13.4	16.6	20.6	25.4	31.9
315	12.1	15.0	18.7	23.2	28.6	35.2
355	13.6	16.9	21.1	26.1	32.2	39.7
400	15.3	19.1	23.7	29.4	36.4	44.7
450	17.2	21.5	26.7	33.1	40.9	50.3

LEGEND:

SDR: Standard Diameter Ratio

O.D: Outside Diameter

I.D: Inside Diameter



TECHNICAL ADVANTAGES

Increased Service Pressure
ISO specific maximum working pressure of 4 bar for PE pipes for gas applications.

JOINTING METHODS

Butt Fusion	Socket Fusion	Electro Fusion	Mechanical Joints Methods
-------------	---------------	----------------	---------------------------

ASTM D 2513 - DIMENSIONS

Dia	Diameter Tolerance		WALL THICKNESS							
			SDR-11		SDR-13.5		SDR-17		SDR-9.33	
Inches	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
½"	21.20	21.40	1.93	2.159	—	—	—	—	—	—
¾"	26.60	26.80	2.41	2.69	—	—	—	—	—	—
1"	33.27	33.53	3.02	3.376	2.46	2.765	—	—	3.56	3.992
1-¼"	41.97	42.23	3.81	4.297	3.120	3.501	2.490	2.795	4.520	5.053
1-½"	48.15	48.45	4.39	4.923	3.580	3.580	2.850	3.180	—	—
2"	60.15	60.45	5.49	6.15	4.470	5.003	3.560	3.992	6.480	7.267
2-½"	72.82	73.18	6.63	7.417	5.410	6.070	4.290	4.798	—	—
3"	88.70	89.10	8.08	9.045	6.580	7.367	5.230	5.865	9.530	10.673
3-½"	101.40	101.80	9.22	10.338	7.520	8.434	5.990	6.701	—	—
4"	114.07	114.53	10.39	11.600	8.460	9.476	6.710	7.523	12.24	13.713
5"	141.05	141.84	12.85	14.399	10.49	11.76	8.330	9.321	—	—
6"	168.02	168.58	15.29	17.119	12.47	13.969	9.910	11.104	—	—
8"	218.77	219.43	19.94	22.328	16.23	18.186	12.90	14.449	—	—
10"	272.62	273.38	24.84	27.81	20.24	22.678	16.08	18.010	—	—
12"	323.37	324.23	29.46	32.99	24.00	26.870	19.05	21.336	—	—

MATERIAL SPECIFICATIONS

PLASCO PE Pipes being produced from raw material having following specifications
PE-80, PE-100

PHYSICAL PROPERTIES (TYPICAL) PE80

Property	Typical
Melt Flow Rate (190°C, 5kg)	0.85
Density of Colored Compound	940
Tensile Stress at yield	19
Elongation at Break	>600
Flexural Modules	750
Vicat Softening Temperature	116
Thermal Conductivity	0.4
Linear Thermal Expansion	1.5×10^{-4}
Environmental Stress Crack Resist.	>5000
Minimum Required Strength (MRS)	8.0

Units	Test Methods
g/10 min	ISO 1133
kg/m ³	ISO 1872/1
Mpa	ISO / R527
%	ISO / R527
Mpa	ISO 178
°C	ISO 306
W/m °C	BS 874 (at 23°C)
°C-1	ASTM D 696 (20 - 60°C)
Hrs.	ASTM D 1693 B
Mpa	ISO TR 9080 (97.5%LCL)

Note: Tests are conducted by manufacturers of Raw Material. Copy of test certificate can be provided on request.





Quality Guaranteed



PLASCO Pipes Industries (Pvt) Ltd.

HEAD OFFICE:

G.T. Road, Bypass, Mohla, Gujrat-50700, Pakistan
Tel: 92-533-589620-21, Fax: 92-533-589585
info@plascopipes.com, plascopvc@yahoo.com

