GAS PIPES TECHNICAL DATA SHEET

The pipes are light- weight, non- corrosive and come with a long life. Installation is very simple as the pipes can be easily welded through heat fusion and electro fusion methods. The raw materials are tested stringently to ensure they meet the standards before the production begins. The pipes are supervised throughout the production process and finished goods are again tested to meet the IS14885 : 2001 and IS4437 standards.
We also manufacture Gas pipes as per ASTMD 2513 - Polyethylene (PE) Gas pressure pipes, tubes and fittings.

Key Features:-

- Strong and durable
- Resistant to corrosion and chemicals
- Highly resistant to slow crack growth rate
- Light weight
- Easy installation
- Low handling cost
- Meets standard requirement of IS:14885 and ISO: 4437

Typical Applications:-

- Gas Transportation
- City Gas Distribution
- Industrial Gas Transportation

Standard Sizing:-

Nominal Outside Diameter (in mm)	Minimum Wall Thickness (in mm)			
	SDR 17.6	SDR 13.6	SDR 11	SDR 9
16	2.3	2.3	3.0	3.0
20	2.3	2.3	3.0	3.0
25	2.3	2.3	3.0	3.0
32	2.3	2.3	3.0	3.6
40	2.3	2.3	3.7	4.5
50	2.9	29.	4.6	5.6
63	3.6	3.6	5.8	7.1
75	4.3	4.3	6.8	8.4
90	5.2	5.2	8.2	10.1
110	6.3	6.3	10.0	12.3
125	7.1	7.1	11.4	14.0
140	8.0	8.0	12.7	15.7
160	9.1	9.1	14.6	17.9
180	10.3	10.3	16.4	20.1
200	11.4	11.4	18.2	22.4
225	12.8	12.8	20.5	25.1
250	14.2	14.2	22.7	27.9
280	16.0	16.0	25.4	31.3
315	17.9	17.9	28.6	35.2

Typical Properties

Properties	Test Method	Unit	Value
Density at 27°C	IS 14885	kg/m³	≥ 930
Melt Flow Index (at 190°C, 5kgf)	IS 14885	g/10 min	± 20% of value nominated by R.M. manufacturer
Oxidation Induction Time (at 200°C) (Thermal stability)	IS 14885	Min	≥ 20
Tensile Strength at yield (minimum)	IS 14885	Mpa	15
Elongation at break	IS 14885	%	≥ 350
Hydraulic Characteristics	IS 14885	Neither leak nor burst	Passed
Heat Reversion Test (110°C)	IS 14885	%	Not exceeding 3%
Pigment Dispersion	IS 14885		≤ 3
Surface finish	IS 14885	Both internal and external should be smooth and clean	Satisfactory

N.B.: Technical data refers to average values. The information provided above is based on the values measured in our laboratory as well as independent laboratories. The quoted values are based on specific resin properties and are subject to change without prior notice.

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