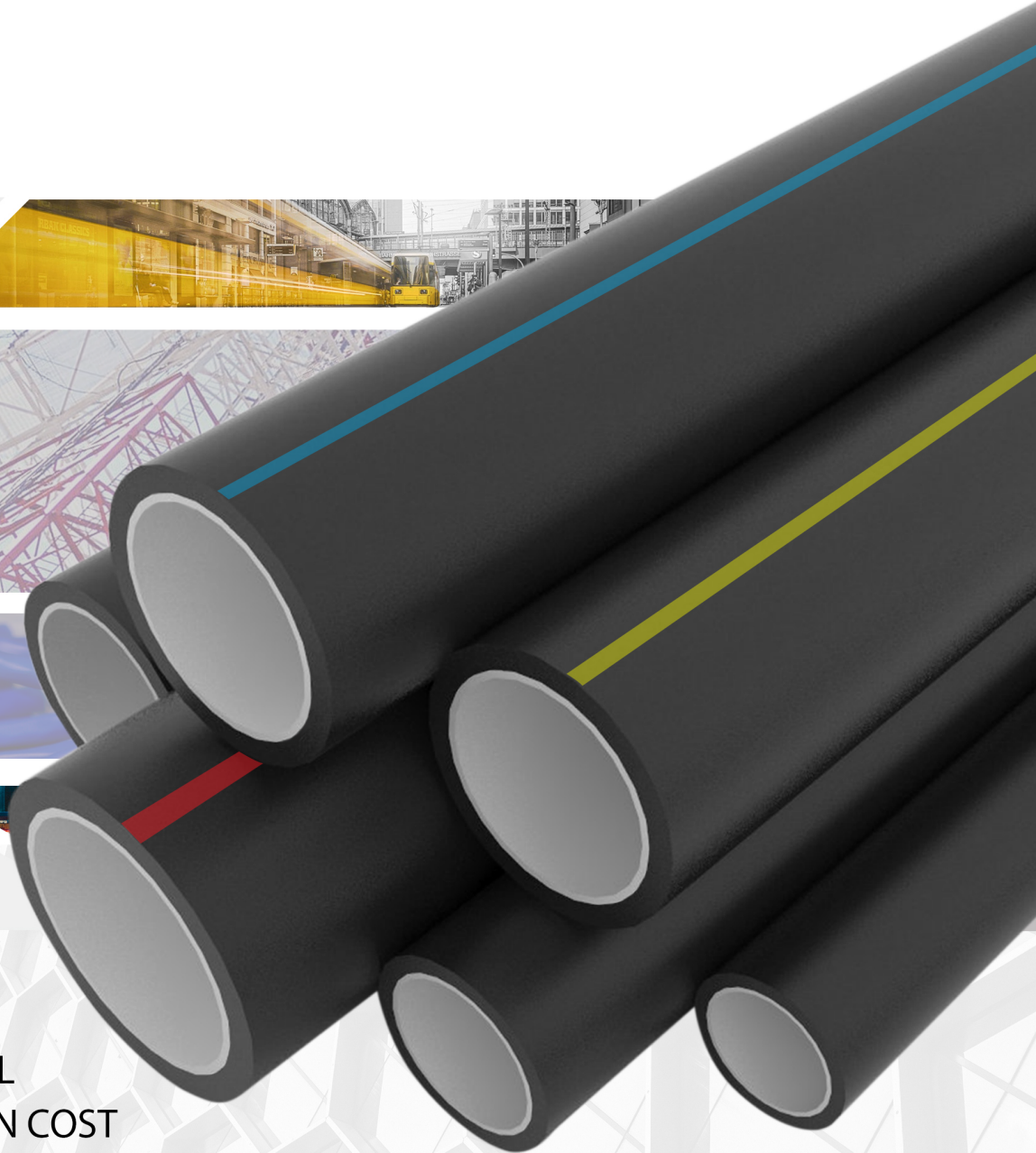
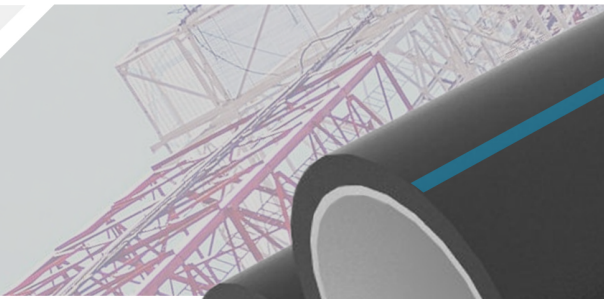




ATLANTA HDPE SILICON PIPE



50 YEARS LIFE SPAN
SMOOTH INNER WALL
LOWER INSTALLATION COST
PEST PROOF & LIGHTWEIGHT
RUST PROOF & WEATHER RESISTANT
LIGHTWEIGHT & EASY TO INSTALL

INTRODUCTION



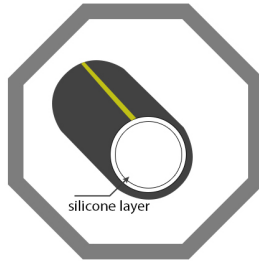
The Atlanta HDPE Silicon Pipe is a new type of composite pipe with a silicone solid lubricant on the inner wall. It has good sealing performance, chemical corrosion resistance and low engineering cost. It is widely used in optical fibre cable communication network systems for highways and railways.

Synchronous extrusion compounding is carried out by three plastic extruders. The main raw material is high-density polyethylene, and the core layer is a solid lubricant silica gel with the lowest friction coefficient. And the third step is the laser strip coloring of the pipes. Atlanta HDPE Silicon Pipe is widely used in optical cable communication network systems.

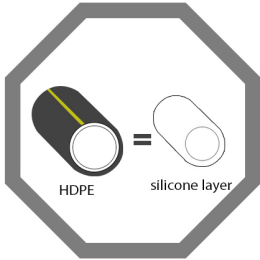
FEATURES & ADVANTAGES



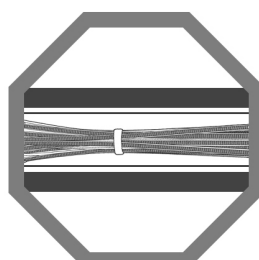
The inner core of the silicon pipe is a solid permanent lubricant.



The silicone layer of the inner wall is synchronously extruded into the wall of the high-density polyethylene pipe, and evenly distributes the inner wall of the pipe, does not peel off, detach, and has the same life as the silicon pipe.



The silicone core layer on the inner wall has the same physical and mechanical properties as the high density polyethylene.



The friction characteristic of the silicon core layer on the inner wall remain unchanged, and the cable can be repeatedly extracted in the pipeline.

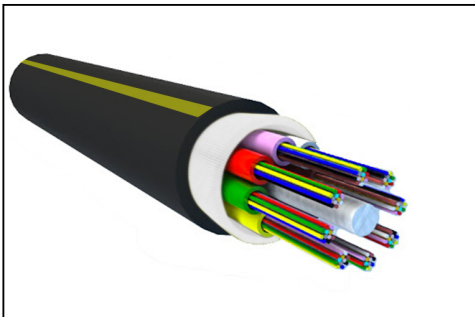


The silicon core layer on the inner wall does not react with water and the pipe can be flushed with water after an accident.



Aging-resistant, anticorrosion of chemicals. With long service life, and will not deteriorate within 50 years in the earth.

APPLICATION



Best for fiber optic telecom piping.



Communication pipeline on highway and rail way.



Other underground communication pipeline

ATLANTA HDPE SILICON PIPE

Product name	:	Atlanta HDPE silicon core pipe
Size	:	32/26, 34/28, 40/33, 46/38, 50/41, 63/54
Length	:	500m – 3000m
Materials	:	HDPE 80, 100 & Silicon materials
Color	:	Black, yellow, green, blue, orange or other color as client's requirement.
Standard	:	GB/T 24456-2009 JT/T 496-2004

PRODUCT SPECIFICATION

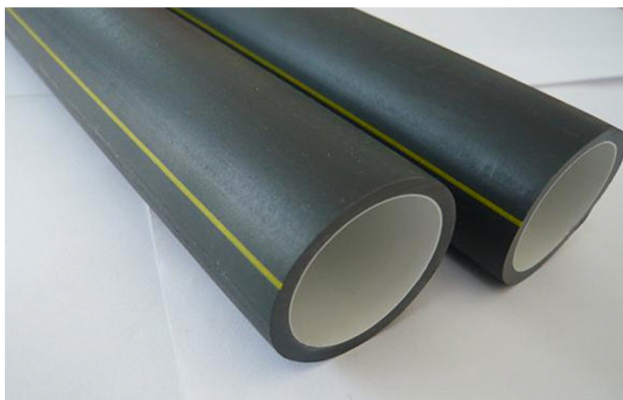
TABLE 1

Specification	OD (mm)	Min ID (mm)	Thickness (mm)	length (m)	Elasticity	
					Before coiling	After coiling
32/26	32	26	2.5	1000, 2000, 3000	≤2	≤3
34/28	34	28	3.0	1000, 2000, 3000	≤2	≤3
40/33	40	33	3.5	1000, 2000, 3000	≤2.5	≤3.5
46/38	46	38	4.0	1000, 1500	≤3	≤5
50/41	50	41	4.5	1000, 1500	≤3	≤5
63/54	63	54	5.0	1000, 1500	≤3	≤5

COLORS & STRIPS OF PIPES

TABLE 2

outside pipe color	black	yellow	green	red
color strips requirements	yellow line	white line	white line	green line
number of strips	2	2	2	2





ATLANTA HDPE SILICON PIPE

TECHNICAL DATA

TABLE 3

Item	Data	
Ring Stiffness, kN/m ²	≥.50	
Flat Test	Non Rupture & Non-Stratification	
Tensile Strength, MPa	≥20	
Elongation at Break, %	≥350	
Maximum Traction Load, N	≥4000	
Hardness, D	≥59	
Longitudinal Retraction Rate, %	>3	
Friction Coefficient of Inner Wall	Static State	<0.25
	Moving	<0.15
Power Frequency Breakdown Strength, MV/mm	>24	
Standard	GB/T 13663-2000	
Certification	ISO9001	



**ATLANTA
INDUSTRIES**

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