



We are focused on the
PolyPipe Market
for the Florida and Caribbean area

Revinca

BRINGS 50 YEARS

of HDPE pipe manufacturing experience (www.revinca.com) with products of proven quality based on the use of certified raw material.

The PE 4427/ PE-100 is the latest generation bimodal high-density polyethylene which exhibits superior toughness and resistance in aggressive applications. It can be used for the transportation of pressure water and gas, water sewer systems, electrical conduit, and all oil and gas application when we have crude oil, natural gas, produced water and for installation of fracking and salt water disposal networks.

This pipe is ideal for underground and above ground applications having a high resistance to corrosion, chemicals, temperatures and UV degradation.

We are focused on special applications with new piping or to solve problems in old existing systems with installation, replacement and repair by the trenchless method using horizontal Directional Drilling, Bursting, and Sliding Lining processes.

WE PROMISE YOU **Premium Products and Services**

Using Plastic Pipe Institute listed PE 4710/ PE-100 raw material to meet the most demanding applications in water, gas distribution, Mining, Wastewater, landfill, industrial, energy and conduit for electrical systems. This raw material is stress rated for pressure pipe with and HDB rating of 1600 PSI at 73° F and 1000° PSI at 140° F.

Revinca products exceed the requirements of the applicable quality standards of ASTM D 2513, ASTM F2619, ASTM D 3035, ASTM F714, AWWA C901, AWWA C906 and API 15LE for the IPS standard sizes from 1 to 24 inch.

At the same time, we offered with the requirements of ISO 447 and ISO 4437 sizes from 25 to 630mm. All the currently offering DR7, DR9, DR11 and DR17. We can use client own metal pipe reels as well for the conduit.

Our pipe is black or black with stripes in color according for the service identification.

REVINCA'S **HDPE Pipe**

OUR PRODUCTS HAVE:

- Excellent resistance to environmental and stress cracking, and to crack propagation.
- Smooth interior surface for high flow/low friction.
- Excellent weather resistance for surface installations.
- High impact strength, toughness and fatigue resistance.
- Outstanding corrosion and chemical resistance.
- Light Weight.
- Abrasion Resistance for mining applications.
- Cost-effective solution for trenchless pipe replacement systems.
- Easy join by Fusion.
- Cost-effective installation using lightweight equipment.

CONTACT US

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High Density Polyethylene 4710 Black Pipe

ASTM	D 3035
ASTM	F 714
ASTM	D 2513
ASTM	F 2614
API	15LE
AWWA	C901
AWWA	C906

Physical Properties		Nominal Value	Test Method
Density		0.960 g/cm ³	ASTM D1505
Melt Index(MI)190° C/2.16 Kg		0.07 g/10min	ASTM D1238
High Load Melt Index (190° C/21.6 Kg)		7-16 g/10min	ASTM D1238
SCG Resistance (PENT)		500 Hours	ASTM F1473
Tensile Stress @ Yield		3,500 Psi	ASTM D638
Elongation @ Break		>400%	ASTM D638
Flexural Modulus (2% secant)		150,000 Psi	ASTM D790
Brittleness Temperature		< -103 °F	ASTM D746
Hardness		62 Shore D	ASTM D2240
Vicat Softening Temperature		256 °F	ASTM D1525
Thermal Expansion Coefficient		1.0x 10 ⁻⁴ in/in/°F	ASTM D696

Applications	DR	Operating Temperature			
		73°F	100°F	120°F	140°F
Pressure rating for water dry natural	7	335	260	210	167
gas gathering service	9	250	195	358	125
	11	200	155	126	100
Pressure rating for crude oil produced	7	165	130	105	83
water, and wet gas	9	125	98	79	53
	11	100	78	63	50

IPS PIPE SIZES AND PRESURE CLASS

Presure Rating		335 psi DR 7.0			250 psi DR 9.0			200 psi DR 11.0			160 psi DR 13.5			125 psi DR 17.0		
Nominal Pipe Size	IPS OD (In)	Min Wall	Avg ID (In)	Weight (lbs/ft)	Min Wall	Avg ID (In)	Weight (lbs/ft)	Min Wall	Avg ID (In)	Weight (lbs/ft)	Min Wall	Avg ID (In)	Weight (lbs/ft)	Min Wall	Avg ID (In)	Weight (lbs/ft)
1"	1.315	0.188	0.916	0.29	0.146	1.005	0.23	0.120	1.062	0.20						
1 ¼"	1.66	0.237	1.158	0.46	0.184	1.270	0.37	0.151	1.340	0.31	0.123	1.399	0.26			
1 ½"	1.90	0.271	1.325	0.61	0.211	1.453	0.49	0.173	1.533	0.41	0.141	1.601	0.34			
2"	2.375	0.339	1.656	0.95	0.264	1.815	0.77	0.216	1.917	0.64	0.176	2.002	0.53	0.140	2.078	0.43
3"	3.50	0.500	2.440	2.06	0.389	2.675	1.66	0.318	2.826	1.39	0.259	2.951	1.16	0.206	3.063	0.94
4"	4.50	0.643	3.137	3.40	0.500	3.440	2.75	0.409	3.633	2.31	0.333	3.794	1.92	0.265	3.938	1.55
6"	6.625	0.946	4.619	7.37	0.736	5.065	5.96	0.602	5.349	5.00	0.491	5.584	4.15	0.390	5.798	3.36
8"	8.63	1.232	6.013	12.50	0.958	6.594	10.11	0.784	6.963	8.47	0.639	7.270	7.04	0.507	7.550	5.69
10"	10.75	1.536	7.494	19.42	1.194	8.219	15.70	0.977	8.679	13.16	0.796	9.062	10.93	0.632	9.410	8.83
12"	12.75	1.821	8.889	27.31	1.417	9.746	22.08	1.159	10.293	18.51	0.944	10.749	15.38	0.750	11.160	12.43
14"	14.00	2.00	9.760	32.93	1.556	10.701	26.63	1.273	11.301	22.32	1.037	11.802	18.54	0.824	12.253	14.98
16"	16.00	2.286	11.154	43.01	1.778	12.231	34.78	1.455	12.915	29.15	1.185	13.488	24.22	0.941	14.005	19.57
18"	18.00				2.00	13.760	44.02	1.636	14.532	36.89	1.333	15.174	30.65	1.059	15.755	24.77
20"	20.00				2.222	15.289	54.34	1.818	16.146	45.54	1.481	16.860	37.84	1.176	17.507	30.58
22"	22.00							2.00	17.760	55.10	1.630	18.544	45.79	1.294	19.257	37.00
24"	24.00							2.182	19.374	65.58	1.778	20.231	54.49	1.412	21.007	44.03

THIS BROCHURE IS INTENDED FOR REFERENCE PURPOSE ONLY AND IT SHOULD NOT BE USED IN PLACE OF THE ADVICE FROM A LICENSED ENGINEER.

Pressure Rating is based on an operating temperature of 73°F (23°C) for normal water and buried installation. For different types of installations, fluids and temperatures, additional design safety factors should be considered. Maximum design temperature is 140°F (60°C). For technical guidance, see PPI TR-9, "Recomended design factor for Thermoplastics Pipe" and PPI Handbook of PE Pipe.

