DREDGE PIPELINE

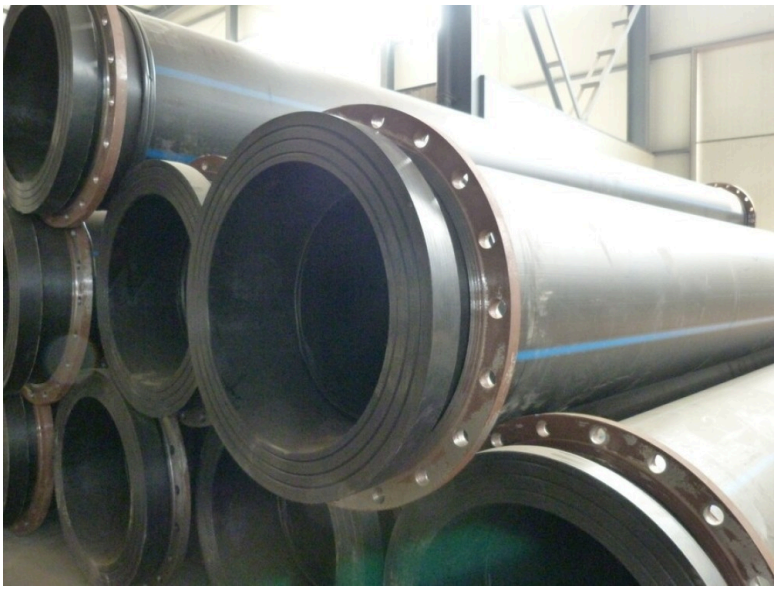
HDPE Dredge Pipe

HDPE Pipe is used for Sand delivery pipe, mud discharge pipe, dredge pipe, oil delivery pipe, mine pipe,water pipe.HDPE is a high degree of crystallinity, non-polar thermoplastic resin, the characteristics are non-t...

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

Category	Dredge Pipeline
Standard	DIN
Material	HDPE
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications			
Category	Dredge Pipeline	**Model / SKU**	HDPE-Dredge-Pipe
Standard	DIN	**Material**	HDPE
Surface	Items HDPE Pipe Ordinary PE Pipe Nylon 66 Steel Pipe 1 Molecular two hundred thousand -- one million and two hundred thousand twenty thousand-- two hundred thousand 2 density 0.940 g/m³ 0.945 g/m³ 1.13-1.15 g/m³ 7.8 g/m³ 3 impact strength 23℃ 500 J/m 300 J/m 59-108 J/m 4 impact strength -40℃ 80 J/m 50 J/m < 100 J/m 5 tensile breaking strength < 28 Mpa < 25 Mpa < 61 Mpa 6 longitudinal contraction rate of return 2.20% 3.00% 7 breaking elongation ≥550% ≥300% 60-3000% 8 wear rate 190% 210% 100% 100% 9 wear coefficient 0.3-0.5 mm³ 0.4-0.6 mm³ 0.4 mm³ 0.58 mm³ 10 resistant to corrosion good good good bad 11 encrustment NO YES YES YES 12 The inside surface of weld Have swelled Have swelled Have swelled	**Certificate**	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS
Warranty	12 Months unless specified otherwise	**Origin**	China

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China HDPE Dredge Pipe:

HDPE Pipe is used for Sand delivery pipe, mud discharge pipe, dredge pipe, oil delivery pipe, mine pipe,water pipe.HDPE is a high degree of crystallinity, non-polar thermoplastic resin, the characteristics are non-toxic, tasteless,and odorless.

HDPE Dredge Pipes Advantage

bended under water,and excellent anti-wave.

The concave-convex is within 30°of area, can be connected directly on land.

Good wear-resistance, anti-aging, strong corrosion resistance, anti-uv, long service time.

Flange connection,smooth outer and inner wall,higher transmission effifiency than steel pipe 20% to 30%.

Either on land or water for using,total engineering cost is low, high efficiency, safer and more convenient.

HDPE Dredge Pipe Specification

OD OF PIPE DN mm	SDR26	SDR21	SDR17	SDR13.6	SDR11
	0.6	0.8	1	1.25	1.6
140	6	7	8	10	13
160	7.5	8	10	12	15
180	7.5	9	11	13	17
200	8	10	12	15	18
225	9	11	13	17	21
250	10	12	15	18	23
280	11	13	17	21	25
315	12	15	19	23	29
330	13	16	20	24	30
350	14	17	21	26	32
400	15	19	24	29	36
425	15	20	25	33	42
450	17	21	27	34	45
500	19	23	30	37	48
530	20	24	31	38	50
560	21	26	33	41	51
600	22	28	35	43	54
630	24	30	37	46	57
660	26	31	38	48	59
710	27	33	42	52	
800	30	38	47	58	
850	32	40	50		
900	34	42	53		
950	36	45	56		
1000	38	47	59		
1050	40	49	61		
1100	42	51	63		
1150	44	53	66		

Sand Delivery Pipe



Dredge Pipe



Contrast Of Wear Resistance

Sandblast contrast test（SIO2）		30% SIO2Mud scour contrast test	
Material	Volume decreases	Material	Volume decreases
PE80	0.25	45 # steel	25
PE100	0.15	Cast Iron Pipe	15
HDPE Pipe	0.13	HDPE Pipe	8

Pressure Standard

NO.	Items	Requirements

1	20℃ to quiet hydraulic strength (hoop stress 12.4Mpa, 100h)		No burst, No leak
2	80℃ to quiet hydraulic strength (hoop stress 5.5Mpa, 165h)		No burst, No leak
3	80℃ to static strength (hoop stress 5.0Mpa, 1000h)		No burst, No leak
4	Breaking elongation, %		≥500
5	Longitudinal shrinkage (110℃), %		≤2.2
6	Oxidation induced time (200℃), min		≥20
7	Weather resistance 1) (Pipe accumulative accept 3.5 GJ / m2 after aging energy	80℃ to quiet hydraulic strength (hoop stress 5.5Mpa, 165h)	No burst, No leak
		Fracture Shrink Rate %	≥500
		Oxidation induced time (200℃) , min	≥10

Performance Compared between HDPE Pipe and Other Pipe

No.	Items	HDPE Pipe	Ordinary PE Pipe	Nylon 66	Steel Pipe
1	Molecular	two hundred thousand --one million and two hundred thousand	twenty thousand-- two hundred thousand		
2	density	0.940 g/m³	0.945 g/m³	1.13-1.15 g/m³	7.8 g/m³
3	impact strength 23℃	500 J/m	300 J/m	59-108 J/m	
4	impact strength -40℃	80 J/m	50 J/m	＜100 J/m	
5	tensile breaking strength	＜28 Mpa	＜25 Mpa	＜61 Mpa	
6	longitudinal contraction rate of return	2.20%	3.00%		
7	breaking elongation	≥550%	≥300%	60-3000%	
8	wear rate	190%	210%	100%	100%
9	wear coefficient	0.3-0.5 mm³	0.4-0.6 mm³	0.4 mm³	0.58 mm³
10	resistant to corrosion	good	good	good	bad
11	encrustment	NO	YES	YES	YES
12	The inside surface of weld	Have swelled	Have swelled	Have swelled	