DREDGE PIPELINE

Dredging UHMW pipe

ISO9001 Supplier

Class Certificate

Export Supply

Dredging UHMW pipe General description The UHMW dredging pipe is very suitable for transferring slurry, soil. It is high resistance ability to wear, tear, water pressure and corrosion make the transfe...



Key Highlights

Category	Dredge Pipeline
Standard	DIN
Material	UHMW
Weight / Size	Advantage High Resistant to wear and tear High resistant to water pressu...
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**	Dredging-UHMW-pipe
Standard	DIN	**Material**	UHMW
Weight / Size	Advantage High Resistant to wear and tear High resistant to water pressure High resistant to corrosion Light weight and easy assembly with wildly working temperature Safety and environmental protection with long life service Technical parameter reference only 0.6Mpa 1.0Mpa 1.6Mpa (mm) Weight Weight Weight Weight Weight Weight 8 9 89 2.028 2.473 8 10 133 3.850 4.545 12 14 159 3.730 4.664 5.522 6.762 8 10 12 15 18 219 5.916 7.776 8.383 10.168 12.459 10 12 15 19 23 273 7.438 9.022 11.351 12.872 16.566 19.408 9 10 12 15 18 20 325 11.758 13.630 15.477 18.200 22.614 27.704 10 12 14 17 21 32 377 13.711 15.909 20.229 24.448 30.590 37.471 10 12 14 16 20 22 426 18.056 20.535 25.419 27.823 39.468 16 18 26 32 550 29.977 16 22 27 33 630 36.341 41.872 47.347 56.347 68.684 20 26 32 38 710 45.294 57.728 71.949 23 31 38 Catalog UHMWPE relative molecular mass200-300 ten thousand Density D1505 0.46 g/cm3 Average particle size100-200 μ Mechanical properties D638 300-400 % D747 Impact strength140 Kj/m2 Winding hardness D747 Abrasion loss70 mg/1000 Melting point136 c D648 Coefficient of linear expansion1.5-2.5 10-4 D177 Electrical property .cm D149 Permittivity2.3x10hz	**Certificate**	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS
Warranty	12 Months unless specified otherwise	**Origin**	China

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Dredging UHMW pipe

General description

The UHMW dredging pipe is very suitable for transferring slurry, soil. It is high resistance ability to wear, tear, water pressure and corrosion make the transfer more workable and safety. Made of Polymer polyethylene with the diameter from 25-800mm.

Advantage

- High Resistant to wear and tear
- High resistant to water pressure
- High resistant to corrosion
- Light weight and easy assembly with wildly working temperature
- Safety and environmental protection with long life service

Technical parameter reference only

Diameter	0.6Mpa		0.8Mpa		1.0Mpa		1.25Mpa		1.6Mpa		2.0Mpa	
(mm)	Wall thickness	Weight	Wall thickness	Weight	Wall thickness	Weight	Wall thickness	Weight	Wall thickness	Weight	Wall thickness	Weight
65	8	1.417	9	1.578								
89	8	2.028	10	2.473								
110	8	2.554	10	3.130								
133	10	3.850	12	4.545								
140	12	4.808	14	5.522								
159	8	3.730	10	4.664	12	5.522	15	6.762				
205	8	4.934	10	6.104	12	7.250	15	8.922	18	10.537		
219	9	5.916	12	7.776	13	8.383	16	10.168	20	12.459		

250	10	7.513	12	8.940	15	11.035	19	13.739	23	16.344		
273	9	7.438	11	9.022	14	11.351	16	12.872	21	16.566	25	19.408
300	9	8.199	10	9.078	12	10.819	15	13.382	18	15.890	20	17.530
325	12	11.758	14	13.630	16	15.477	19	18.200	24	22.614	30	27.704
350	10	10.643	12	12.697	14	14.725	17	17.721	21	21.628	32	31.855
377	12	13.711	14	15.909	18	20.229	22	24.448	28	30.590	35	37.471
400	10	12.209	12	14.575	14	16.917	16	19.233	20	23.791	22	26.032
426	14	18.056	16	20.535	20	25.419	22	27.823	32	39.468		
530	16	25.744	18	28.850	26	41.021	32	49.886				
550	18	29.977										
560	16	27.247	22	37.051	27	45.050	33	54.441				
630	19	36.341	22	41.872	25	47.347	30	56.347	37	68.684		
652	20	39.568	26	50.950	32	62.107	38	73.038				
710	21	45.294	27	57.728	34	71.949						
800	23	55.943	31	74.626	38	90.644						

Performance

Catalog	Property	UHMWPE	ASMT method

Physical property	relative molecular mass	200-300 ten thousand	D2857
	Density	0.945-0.975 g/cm3	D1505
	Powder density	0.46 g/cm3	D392
	Average particle size	100-200 μm	
Mechanical properties	Breaking strength	40-45 Mpa	D638
	Breaking elongation	300-400 %	D638
	Flexural modulus	600 Mpa	D747
	Impact strength	140 Kj/m2	D250
	Winding hardness	40-60 HRM	D747
	Abrasion loss	70 mg/1000	D1175
Thermal properties	Melting point	136 c	D2117
	Distortion temperature	85 c	D648
	Coefficient of linear expansion	1.5-2.5 10-4	D696
	Heat conductivity coefficient	8.5 w/m.k	D177
Electrical property	Volume resistivity	10 Ω.cm	D257
	Puncture voltage	50 Kv/mm	D149
	Permittivity	2.3x106hz	D150