MARINE FENDER

UHMW PE sheet

ISO9001 Supplier

Class Certificate

Export Supply

UHMW PE sheet (ultra high molecular weight polyethylene pheet) is the first choice material for facing steel fender panels and other heavy duty applications. It combines very low friction with excellent impact strength...

Key Highlights

Category	Marine Fender
Standard	ISO
Material	UHMW PE sheet (ultra high molecular weight polyethylene pheet) is the fi...
Weight / Size	UHMW PE sheet (ultra high molecular weight polyethylene pheet) is the fi...
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	Marine Fender	**Model / SKU**	UHMW-PE-sheet
Standard	ISO	**Material**	UHMW PE sheet (ultra high molecular weight polyethylene pheet) is the first choice material for facing steel fender panels and other heavy duty applications.
Weight / Size	UHMW PE sheet (ultra high molecular weight polyethylene pheet) is the first choice material for facing steel fender panels and other heavy duty applications.	**Certificate**	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS
Warranty	12 Months unless specified otherwise	**Origin**	China

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China UHMW PE sheet:

UHMW **PE sheet** (ultra high molecular weight polyethylene pheet) is the first choice material for facing steel fender panels and other heavy duty applications.
It combines very low friction with excellent impact strength and a wear resistance much better than steel.
UHMW offers a combination of excellent properties outstanding abrasion resistance,superior impact resistance,non-sticking and self-lubricating properties and excellent mechanical properties,even in cryogenic conditions.UHMW product reduces noise from impact and vibration.It is a self-lubricating material that is chemical,corrosion,and wear-resistant.And its food safe.The weight is light.Life is higher than steel.The wear resistance is 3-7 times of carbon steel and stainless steel

The Advantage of UHMW PE pad:

1. Non-Toxic and smell

2. Low coefficient of friction

3. Corrosion resistant,Abrasion and impact resistant

4. Anti-Weather and Anti-Aging

5. Sell-lubricating ,wear Resistant

6. Great liner material for industrial material handing applications

7. UV Resistant/ultraviolet-resistance sheet

8.High Operating Temperature,

9.High Tensile Strength,High Viscosity

10.Reprocessed,

Our Service:

We can produce all kindsUHMWPEmarine fender pad if you send us the drawings.

Our PE pad can be made in many colors and thicknesses according to your requirements and also can be provided in a re-processed grade for a economical solution.

Item	Test method	Test result	unit
Specific weight	ASTM D-792	0.938	g/cm3
Yield strength	ASTM D-638	22	MPa
Ultimate strength	ASTM D-638	45	MPa
Breaking Elongation	ISO527	355	%
Impact strength	ISO179	130	Mj/mm2

Abrasion	ISO15527	83	Steel=100
Shore Hardness	ISO868	66	Shore D
Friction Coefficient	ASTM D-1894	0.11	Unitless
Coefficient of thermal expansion	ASTM D-696	0.0002	℃
Water Absorption	ASTM D-570	0.0094	%
Melt point	ASTM D-3417	138	℃