



Shandong Shengte'er New Material Technology Co., Ltd.

100% Virgin Raw Marterial

Wholesale Factory Price

UHMWPE Molding

3D Drawing Service

Processing Service

Strctly Quality Control



Shandong Shengte'er New Material Technology Co., Ltd.



12,000m²



The company occupies an area of

2,000tons



Annual output value of sheet metal

Shandong Shengte'er New Material Technology Co., Ltd. is located in Dezhou City, Shandong Province, China. The company currently covers a total area of about 12,000 square meters. It is a relatively large-scale manufacturer of ultra-high molecular polyethylene (UHMWPE) sheets in China. The annual production capacity of sheets is more than 2,000 tons, and the special-shaped materials such as guide rails, rollers, pulleys, anti-wear blocks and so on, is more than 500 tons.

The company mainly produces Marine Fender Face Pads, Dock dash plate, UHMWPE sheets, Coal bunker liner, UHMWPE special-shaped parts, UHMWPE guide rails, rollers, Nylon products, PP sheet, HDPE sheet, etc. have been widely used in port terminals, electric power, petrochemical, steel structure, coal, food, machinery manufacturing and transmission industries. In addition to production and sales, the company also has independent design research and construction capabilities. Since the establishment of the factory in 2009, the company has always maintained the concept of coexistence of quality and market to move forward!

Molding machine



Product quality inspection



Product Test Report



TEST REPORT

No. : QQRN2408001488PL01_EN
Date : 2024-06-13
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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Tensile Test	DIN 53455:1981	See result	N/A
2	Coefficient of Friction	ISO 8295:1995	See result	N/A
3	Shore Hardness	With reference to DIN 53505:2000 and client's requirement	64 Shore D	N/A
4	Density	ISO 1183-1:2019 Method A	0.937g/cm ³	N/A
5	Flexural Strength	DIN 53452:1977	25.9MPa	N/A
6	Compressive Stress at 25% Strain	ISO 604:2002	41.3MPa	N/A
7	Mass Wear Loss	GB/T 3960-2016 and client's requirement	0.0055g	N/A
8	Charpy Double-Notched Impact Strength	ISO 21304-2:2021 Annex C	119 kJ/m ²	N/A

Note: 1. Pass : Meet the requirements;
Fail : Does not meet the requirements;
N/A : Not Apply to the judgment.
2. Test Items 6-8 were carried out by SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd. (CNAS L2774, CMA 20200340104).

Material Specifications

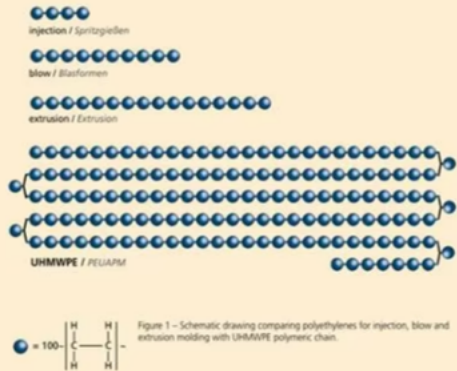


Figure 1 – Schematic drawing comparing polyethylenes for injection, blow and extrusion molding with UHMWPE polymeric chain.



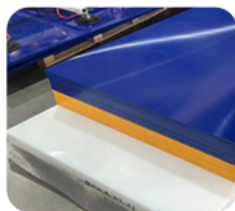
UHMWPE

GUR · PE1000 · PE500 AVAILABLE

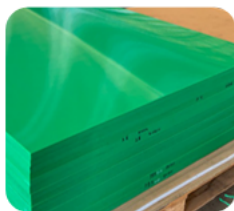
- 100% VIRGIN RAW MATERIAL
- 3 PCS MOLDING EQUIPMENT
- WHOLESALE FACTORY PRICE



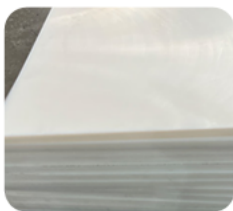
Different grades of boards



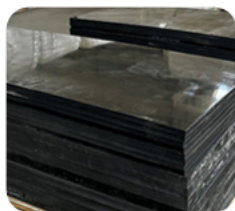
Marine Grade



Lining Grade



Virgin Grade



ReprocessedGrade

UHMWPE

Uhmwpe parameters

length	Width	thickness
1000mm	2000mm	6-300mm
1020mm	4080mm	6-300mm
1240mm	2440mm	6-300mm
1240mm	3050mm	6-300mm
1250mm	3700mm	6-300mm
1260mm	3050mm	6-300mm
1300mm	2050mm	6-300mm
1500mm	6000mm	6-300mm
1545mm	3000mm	6-300mm
2000mm	6070mm	6-300mm
2000mm	4000mm	6-300mm
2000mm	5000mm	6-300mm
2100mm	6000mm	6-300mm



ANTI-STATIC:
 10^{-10} OHMS/SQ



FLAME RETARDANT AND
SELF-EXTINGUISHING



UHMW-PEAdvantage



- A. Chemical Resistance
- B. Impact Resistance
- C. Low Friction
- D. High Wear Resistance
- E. Light Weight
- F. Temperature Resistant(-100°C to 80 °C)

UHMWPE HEAVY DUTY OUTRIGGER PADS

Superior strength .Toughness

100% Virgin 7 Million Molecular Weight Sintering Process

**Test Result: 41.3 Mpa Compressive Stress At 25%
strain(sample 10.2mm thickness)**



Anti-slip Heavy Duty Pad

UHMWPE HEAVY DUTY OUTRIGGER PADS

Uhmwpe parameters

Specification(mm)	Thickness(mm)	Loadcapacity
300*300	30,40,50,60	3-7 ton
400*400	30,40,50,60	6-13 ton
500*500	40,50,60,70	13-23 ton
600*600	40,50,60,70	18-33 ton
700*700	40,50,60,70	26-45 ton
800*800	40,50,60,70	34-59 ton
900*900	50,60,70,80	53-85 ton
1000*1000	50,60,70,80	65-104 ton
1100*1100	60,70,80,90	73-140 ton
1200*1200	60,70,80,90,100	87-188 ton
1300*1300	100,110,120,130,140,150	169-254 ton
1400*1400	100,110,120,130,140,150	196-294 ton
1500*1500	100,110,120,130,140,150	225-338 ton
1600*1600	100,110,120,130,140,150	180-269 ton
1700*1700	100,110,120,130,140,150	203-304 ton
1800*1800	100,110,120,130,140,150	227-340 ton

Uhmwpe parameters Test report



TEST REPORT
 No.: 2024080201480PL1_04
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4. Test Item: Compressive Stress at 20% Strain
 Sample Description: Plastic part
 Test Method: ISO 9001:2008
 Test Condition:
 Specimen: Type B
 Specimen Reference: 10.0mm
 Testing speed: 1mm/min
 Lab Environmental Condition: (23±1) °C (50±1)°F

Test Result

Test Item	Test Result
Compressive Stress at 20% Strain	41.0MPa

Note:
 1. Test specimens were cut from the sample.
 2. The loading direction is the thickness direction.

Test Photo:




Before Test

After Test

UHMWPE/HDPE GROUND PROTECTION MATS



UHMWPE/HDPE Ground Protection Mats

Material: 100% Pure 3-9.8 Million Molecular Weight

Tougher More Wear Resistance More Impact Resistance



Charpy Double
Notched Impact

Test Result

119 KJ/m²



Product Details

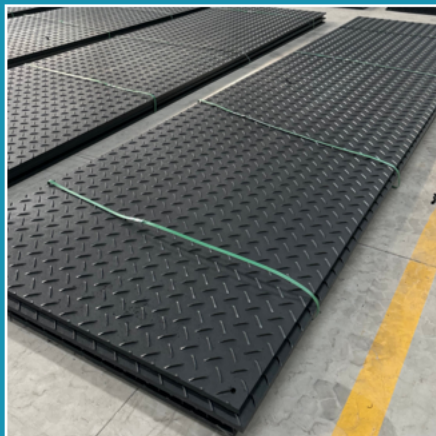


UHMWPE/HDPE GROUND PROTECTION MATS

Product usage scenarios



Product characteristics



- A. Heavy Duty Temporary Road Mats
4x8 Ft For Construction Site
- B. Temporary Ground Protection Mat
1220 X 2440
- C. Hdpe Heavy Duty Textured
Construction Track Road Mat For
Excavator
- D. 1/2 Inch Thick Ground Protection
Mat

UHMW MACHINED PART

Custom UHMW Plastic Part

send me 3D drawing or idea, let me make sample for you



UHMWPE•HDPE
GUR•PE1000•PE500 Available

100% Virgin Raw Material

Wholesale Factory Price

