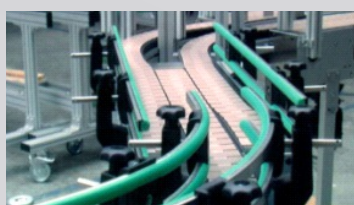


Sheets & Profile systems

UHMW-PE Sheets

NovaStrong



Typical applications

- Transporting machinery
- Star Wheels, Idler Sprockets
- Textile machinery
- Bottling Machinery
- Food processing machinery components
- Harbor and shipbuilding machinery
- Architecture & agriculture machinery
- Conveyor Systems
- Paper-making machinery
- Dyeing decoration
- Abrasion Resistant Lining
- Mining Industry
- Shipping Industry
- Chemical Equipment
- Chute liners and Truck /hopper liners

NovaStrong is made from UHMW-PE, a subset of the thermoplastic -polyethylene. It has extremely long chains, with molecular weight numbering in the millions, usually between 2 and 6 million, strengthening intermolecular interactions resulting in highest impact strength of any thermoplastic, very low coefficient of friction, self-lubricating, and is highly resistant to abrasion (15 times more resistant to abrasion than carbon steel). Its coefficient of friction is significantly lower than that of Polyamide and Acetal, and is comparable to that of PTFE, but UHMWPE has better abrasion resistance than PTFE.

Standard Sizing

NovaLene PP sheets are available in the following and variations:

Thickness (mm)	Width x Length (m)	Packing
20-75	1.23 x 2.15	1 nos
8 - 175	1.23 x 1.99	
6- 50	1.00 x 2.00	
20-100	0.66 x 2.52	

Grades

PE 300
PE 500
PE 1000

Colours

White

Black

Custom



Features

- High Abrasion Resistance
- Low Specific Weight
- Low water absorption
- Odorless
- Good Low temp Resistance
- Low Coefficient of Friction
- High chemical resistance
- High Impact Strength
- Food Safe
- Protection from Stress Cracking
- Weathering Resistance

