Ultra Fend®

Description:

Ultra High Molecular Weight Polyethylene, averaging 3.1-6 million molecular weight. In full compliance with ASTM 4020-81 standards. Fully UV stabilized formulations are available in black or colors. Contact us for standard or custom color re-

Property	Test Method	Unit	Value
Specific Gravity	ASTM D792	g/cm3	.935945
Tensile, Ultimate	ASTM D638	psi	6300-6900
Elongation at Break	ASTM D638	percent	400-450
Flexural Modulus	ASTM D790	Psi (1,000s)	110-130
Thermal Expansion	ASTM D648	In/in/F	9.0x10-5
Hardnes R	ASTM D785	_	63-68
Abrasion	Sand Slurry	_	16 (good)
Izod Impact	ASTM D256	Ft.lbs/notch	No break
Izod Impact (Modified with double notch)	ASTM D256A	Ft.lbs/notch	
Coefficient of Friction (vs. Steel)	ASTM D1894	_	.1120

Poly Fend®

Description

Ultra High Molecular Weight Polyethylene, mechanical blend of virgin UHMW resin & ground UHMW chips, averaging 3.1-6 million melecular weight, in full compliance with ASTM 4020-81 standards. Fully UV stabilized formulations are available in black or colors. Contact us for standard or custom color requirements.

Property	Test Method	Unit	Value
Specific Gravity	ASTM D792	g/cm3	.94955
Tensile, Ultimate	ASTM D638	psi	4200-5100
Elongation at Break	ASTM D638	percent	300-350
Flexural Modulus	ASTM D790	Psi (1,000s)	102-120
Thermal Expansion	ASTM D648	In/in/F	9.0x10-5
Hardnes R	ASTM D785	_	65-70
Abrasion	Sand Slurry	_	14 (good)
Izod Impact	ASTM D256	Ft.lbs/notch	No break
Izod Impact (Modified with double notch)	ASTM D256A	Ft.lbs/notch	18-24
Coefficient of Friction (vs. Steel)	ASTM D1894	_	.1120



Ultra Poly's

UHMW Fender
Systems
Extend the Life of
Ferry Docks
& Pilings



Cape May, NJ



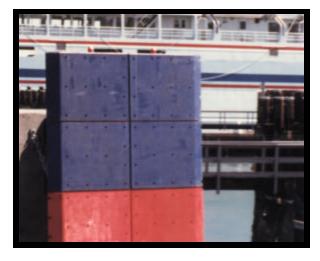
1-800-872-8469 2926 South Steele St. Tacoma, WA 98409 Ultra Poly's continuous length fendering systems provide a superior replacement for hardwood fendering.

Because of its low coefficient of friction and the high impact strength, Ultra Fend allows vessels to guide freely along its surface while protecting against chipping, shredding, and catching due to impact. The result is a considerable savings in maintenance costs. Engineers estimate the maintenance interval to be at least 18 yars.

Ultra Poly's fendering systems are available in standard black or custom UV stabilized colors, flat or formed, or fabricated to the special needs of our customers.



B. C. Ferries



B. C. Ferries used an aesthetically pleasing color scheme which complimented the colors of their ferries. Ultra Poly designed the colormatched red and blue Ultra Fend plates into the structure of the job.

Environmentally Friendly

- Ultra Fend requires no lubrication of any kind, so there is nothing harmful to wash off into the water.
- Ultra Fend requires no creosote, chromated copper arsenate or other harsh chemicals to retard rot or pests.
- Fewer great trees are used for fenders where Ultra Fend protects those wooden fenders already in place.
- Ultra Fend products can be recycled.

Ultra Fend Fitted Pile Wraps are rounded fenders designed to contour individual pile fronts.

Fitted Pile Wrap panels are factory formed to fit a given pile radius and beveled along the edges to further reduce possible edge catching and dislocation.

Wraps let hulls slide freely along piles and protect wood against shipping and shredding due to impact and abrasion.

Standard Fitted Pile Wraps are available in any length.



Call **1-800-872-8469** for more information.

