

TRU LAST POLY-V

Virgin Natural UHMW Polyethylene

The Common Solution for all your General Polymer Needs!

BENEFITS

- Ultra High Molecular Weight (UHMW) Virgin Natural polymer designed to solve a multitude of everyday problems.
- Excellent abrasion resistance for smooth, noiseless Operation.
- Outlasts steel 6 to 1.
- Lightweight, only weighs about 1/8 as much as steel.
- Resistant to most acids, alkalis and solvents and will not rust.
- Absorbs little to no moisture and has a low coefficient of friction.
- Easily machined. Can be cut and drilled with basic power tools and is formable.
- Welded easily with plastic welding techniques.
- Answers challenges of moving materials at freezing temperatures.
- Wide range of fasteners available for different attachment conditions.
- Applications include; Gears, Bearings, Sprockets, Conveyor Guard Rails, Wear Strips, Belt Scrapers, Truck Bed Liners, Dock Fenders, Rollers and Wastewater Treatment products.

PROPERTIES

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|--------------------------------|--------------------------|---------------------------------|-------|
| Density: | 57.9 lbs/ft ³ | Continuous Service Temp: | 180°F |
| Tensile Yield Strength: | 3,100 psi | Melting Point: | 275°F |
| Elongation @ Break: | 350% | Moisture Absorption | 0.01% |
| Hardness: | 62-66 Shore D. | Coefficient of Friction | 0.14 |

- The low coefficient of friction and almost *zero moisture absorption* of **TRU LAST POLY-V** gives this engineering polymer exceptional non-stick properties to help reduce build up of coal, stone, sand, sludge and almost all industrial bulk materials.
- **TRU LAST POLY-V**, features an unsurpassed combination of slickness, toughness and chemical resistance. Unlike steel, UHMW will not rust. *It completely eliminates corrosion and will resist a wider range of chemicals than stainless steel.*