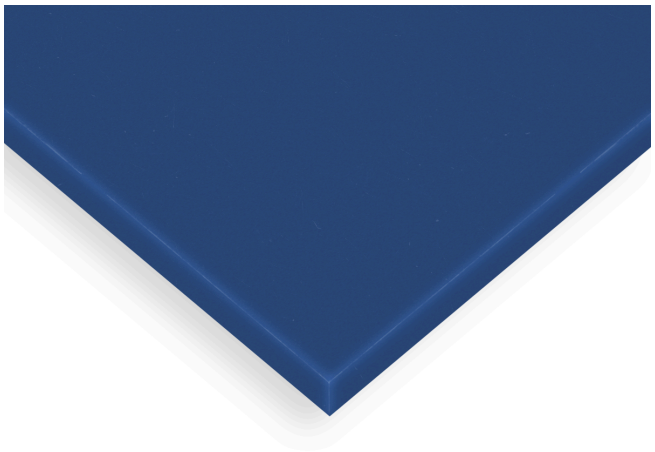
Tivar® 88 UHMW

Glass-Filled UHMW for Bulk Material Handling

Description and Overview

Tivar® 88 UHMW is a specialized, premium glass-filled thermoplastic lining material for bulk material handling. Engineered for severe wear environments, this versatile material features an exceptionally low coefficient of friction alongside outstanding resistance to abrasion, impact, and chemicals. It promotes the steady flow of cohesive or non-free flowing bulk solids and reduces or eliminates arching, ratholing, and erratic material flow without the need for temporary surface coatings.

Tivar® 88 absorbs almost no moisture, which helps prevent freezing and sticking-related hang-ups. Its outstanding durability and low coefficient of friction minimizes maintenance and frequent part replacement.



Tivar® 88 is available as full sheets.
Full sheet: 48” x 120”
Thicknesses: .25” to 2”

Applications and Uses

Tivar® 88 UHMW is engineered to optimize bulk material flow and extend component life in severe sliding abrasion environments. It is fabrication-friendly using standard woodworking tools and offers a reliable, long-term solution for eliminating flow stoppages and reducing noise in high-friction industrial systems.

- Bulk material handling bins
- Bunkers and hoppers
- Discharge chutes
- Railcar linings
- Storage containers
- Material transfer points
- Conveyor system liners
- Vibratory pans
- Stand pipes

Properties and Specifications

Property	Tivar® 88 UHMW
Density	0.93 g/cm^3
Water Absorption @ 24 hrs.	0.1%
Tensile Strength	5,800 psi
Tensile Modulus	61 ksi
Flexural Modulus	73 ksi
Flexural Strength	3,200 psi
Elongation @ Break	300%
Izod Impact Strength, notched	–
Hardness, Shore D	69
UL Flammability	HB
Heat Deflection Temperature	116°F @ 264 psi
Affixable Properties	Mech

Properties are typical.
Chem is an abbreviation for chemically affixed with glues, chemicals, or adhesive.
Mech is an abbreviation for mechanically affixed bonding.
Field testing is recommended for any application.

330 Commerce Circle
Sacramento, CA 95815
800-742-3444
interstateplastics.com

Rev 1 (4/22/2026)

INTERSTATE ADVANCED MATERIALS
a Curbell Plastics Company