

Tivar® HPV UHMW Optimizes High-Speed Sliding Components in Food Processing Equipment and Conveyor Systems

Tivar® HPV UHMW enhances efficiency and lowers maintenance in high-speed sliding components for food processing equipment and conveyor systems.

SACRAMENTO, CA, UNITED STATES, July 16, 2025 /EINPresswire.com/ -- Food processors and conveyor system manufacturers require materials that support sanitation, worker safety, and long-term efficiency, particularly in equipment that operates under constant motion. [Tivar® HPV UHMW](#) from Interstate Advanced Materials is engineered to meet these needs with FDA compliance, superior wear resistance, and a dry lubricant that reduces friction by up to 80% compared to [standard UHMW grades](#).

“Tivar® HPV's low coefficient of friction reduces energy loss and wear on both the material and mating parts, extending service life and minimizing unplanned maintenance.”
Christopher Isar

Tivar® HPV excels in high-speed sliding components such as chain guides, wear strips, corner tracks, and straight guides—areas where traditional materials like metal often degrade or require frequent maintenance under repeated, high-load conditions. Its self-lubricating surface ensures quiet, consistent movement with minimal vibration or stick-slip, helping extend equipment life while reducing noise and downtime.

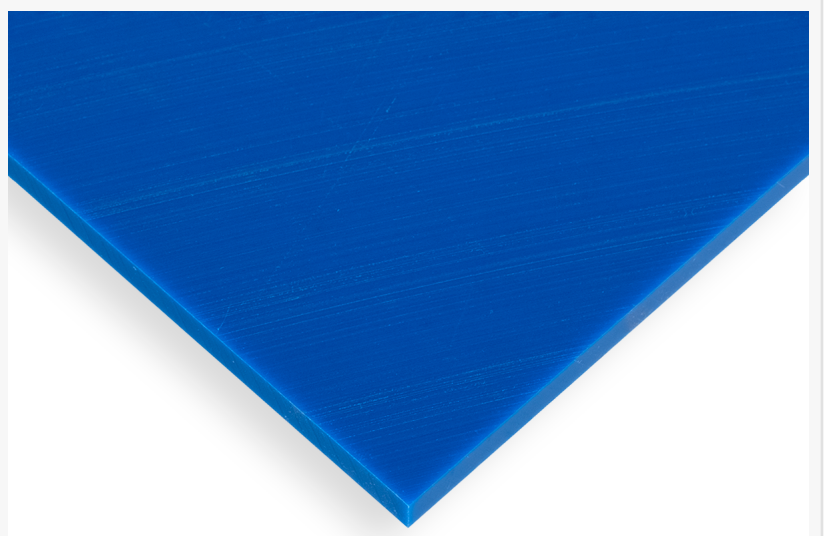
Designed for frequent sanitation and direct food contact, Tivar® HPV is FDA compliant and resists chemicals, corrosion, and moisture. These properties make it ideal for clean-in-place systems in meat, dairy, and baking operations where hygiene and reliability are critical.

Tivar® HPV's low coefficient of friction reduces energy loss and wear on both the material and mating parts, extending service life and minimizing unplanned maintenance. These performance gains lower operating costs. This is especially valuable in bottling, canning, and bulk conveying lines where constant motion and high throughput are essential.

Tivar® HPV delivers long-term savings by reducing part wear, downtime, and maintenance frequency in high-speed applications. Its durability and performance consistency extend

replacement intervals and lessen the need for ongoing adjustments, making it a cost-effective solution over time. In continuous-load operations where shutdowns are costly, Tivar® HPV provides the reliable performance needed to operate under pressure in demanding food processing environments.

Interstate Advanced Materials offers Tivar® HPV in full sheet and cut-to-size options. Food processing equipment professionals can [save 30%+ on Tivar® HPV and other materials](#) with an Interstate Advanced Materials membership. To learn more about solutions for food processing equipment, call a material expert today at 888-768-5759.



Tivar® HPV's built-in dry lubricant improves sliding behavior, enhances motion, and reduces friction in conveyor belt systems and bearings. With a near-zero level of slip-stick, Tivar® HPV eliminates squeaking and chatter during operation.

Interstate Advanced Materials is a full-line distributor of high-performance sheet, rod, tube, plate, and bar, and proudly serves many diverse industries, including OEM, semiconductor, food processing, POP display, government, agriculture, automotive, and many others. With 10 locations nationwide and an online sales and support team, Interstate Advanced Materials provides full sheets and pallets, cut-to-size service, complex CNC, welding solutions, and full machining capabilities.

Interstate Advanced Materials is known for selling high-quality products, providing excellent customer service, and providing superior technical support. Excellence in all facets of the customer experience has been the cornerstone of Interstate Advanced Materials for over 45 years.

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