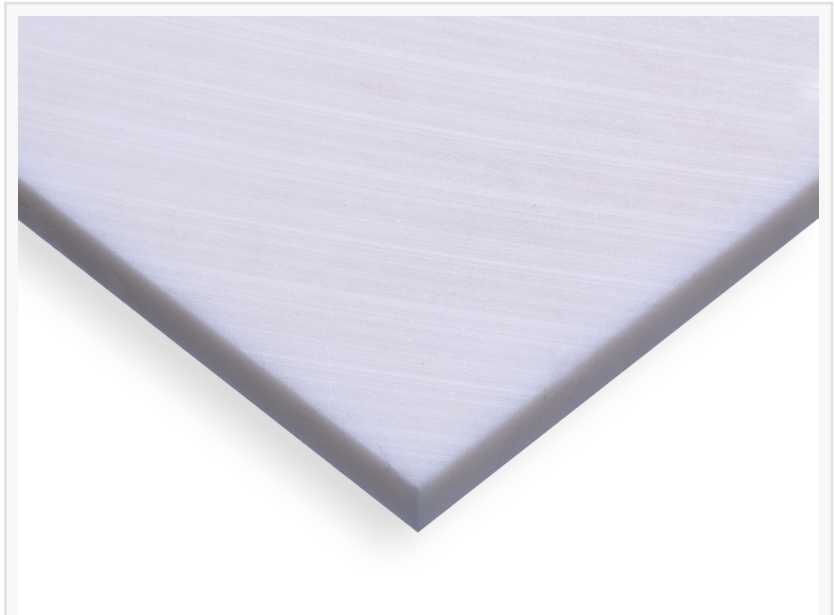


Tivar® H.O.T. UHMW Enhances Food Processing Equipment Performance in High-Heat Applications

Tivar® H.O.T. UHMW from Interstate Advanced Materials is engineered to enhance food processing equipment performance in high-heat environments.

SACRAMENTO, CA, UNITED STATES, May 9, 2025 /EINPresswire.com/ -- Food processing and packaging equipment require materials that can withstand high operating temperatures, repeated chemical exposure, and continuous mechanical wear without compromising performance. [Tivar® H.O.T. \(Higher Operating Temperature\) UHMW](#) from Interstate Advanced Materials is specifically engineered for these demanding environments, offering enhanced thermal stability and excellent wear resistance. Designed to outperform [standard UHMW grades](#) in elevated temperatures, Tivar® H.O.T. extends equipment life and reduces maintenance in food processing systems.



FDA compliant Tivar H.O.T. UHMW excels in high operating temperature environments and has excellent resistance to wear, abrasion, moisture, and chemicals, making it a great choice for long-lasting dairy processing components.

Conveyor tracks, wear pads, and machine guards used in food processing equipment benefit from Tivar® H.O.T.'s low-friction, self-lubricating properties. It eliminates the need for external lubricants, lowering wear on critical parts while reducing energy consumption and system noise. This contributes to smoother product flow, less jamming, and reduced maintenance requirements—especially in continuous or high-speed production environments.

Tivar® H.O.T.'s exceptional wear and abrasion resistance make it well-suited for wear strips and guides in high-load, high-speed lines. These components often encounter repetitive mechanical stress and direct contact with abrasive materials. Tivar® H.O.T. ensures smooth movement with reduced surface degradation, helping maintain operational efficiency and extending part life in demanding mechanical environments.



Tivar® H.O.T. supports food safety initiatives and simplifies sanitation procedures, helping processors maintain strict regulatory compliance."

Christopher Isar

Conveyor systems in meat packaging, baking, and pet food manufacturing rely on Tivar® H.O.T.'s superior thermal stability to maintain structural integrity under heat. The material retains its critical properties at recommended operating temperatures up to 275°F, helping prevent warping or deformation. With a significantly lower oxidation rate than standard UHMW, Tivar® H.O.T. lasts longer in high-temperature zones such as ovens, dryers, and heated conveyor lines.

Tivar® H.O.T. also excels in food processing environments such as washdown zones and wet processing areas due to the material's strong chemical and moisture resistance. Components in these environments are routinely exposed to cleaning agents, sanitizers, and steam. Unlike conventional plastics that can degrade or swell, Tivar® H.O.T. remains dimensionally stable and chemically resilient—making it ideal for maintaining hygiene while avoiding costly equipment damage or premature part failure.

Food-contact applications such as those found in dairy, meat, and packaged food processing benefit from Tivar® H.O.T.'s FDA compliance. Its non-stick surface and low moisture absorption help reduce the risk of contamination and bacterial growth. Tivar® H.O.T. supports food safety initiatives and simplifies sanitation procedures, helping processors maintain strict regulatory compliance.

Interstate Advanced Materials offers Tivar® H.O.T. UHMW in full sheet and cut-to-size options. Food processing professionals looking to reduce their material costs can [save 30%+ on Tivar® H.O.T. and other materials](#) with an Interstate Advanced Materials membership. To learn more about how Tivar® H.O.T. can improve efficiency, extend equipment life, and support compliance in food processing systems, call a material expert today at 800-742-3444.

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 40 years.

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