

TIVAR®

H.O.T.

Temperature Resistant UHMW-PE

WHEN PROCESSING TEMPERATURES RISE, TIVAR® H.O.T. BEATS THE HEAT WHEN STANDARD UHMW CAN'T

Developed specifically to excel in chemical and thermocycling environments with temperatures ranging up to 275° F, *TIVAR® H.O.T. is fast becoming the material of choice for baking, food processing & packaging, conveyor manufacturing, grain processing and many other major industries, where temperatures are too high for standard TIVAR®, but well below the need for Teflon, or other thermoplastics.

FDA/USDA-compliant, TIVAR® H.O.T. can be used as wearstrips in proofing ovens or food dehydrators; seals for pasturizers, chemical and medical processing equipment; rollers and sprockets in food processing equipment, and grain drag flights - just to mention a few common applications.

TIVAR® H.O.T.:

- Extends material wear-life
- Excels in supported applications up to 275° F when standard UHMW break down
- Lasts up to 10 times longer than standard UHMW in higher temperature environments
- Resists abrasion, corrosion, chemicals and moisture
- Meets FDA guidelines 21CFR 178.2010 and 21CFR 177.1520 USDA compliant
- Exhibits excellent release characteristics



Rollers, sprockets and wearstrips manufactured from **TIVAR® H.O.T.** for applications in food processing show no signs of wear after numerous chemical and water washdowns, unlike their stainless steel counterparts.



TIVAR® H.O.T. J-leg wearstrips are used in proofing ovens or food dehydrators.

*Choose TIVAR® H.O.T. -
the material designed to beat the HEAT.*

* Prevent oxidation and increase the life of UHMW at higher temperatures. Expansion, contraction, and lower heat deflection temperatures may have to be considered.

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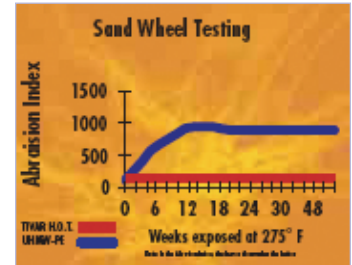
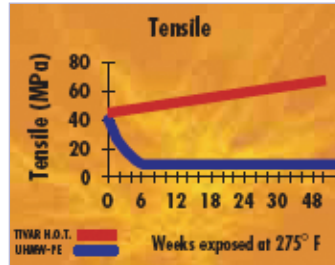
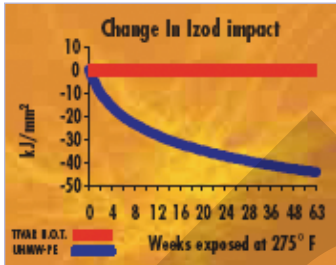


QUADRANT

You inspire ... we materialize®

TIVAR® H.O.T.

Outstanding Performance, Excellent Wearlife



Applications:

- Chain guides
- Conveyor components
- Flights and paddles
- Guide rails
- Liners
- Seals & valves
- Wearstrips, pads, and plates



Seals for processing equipment made from **TIVAR® H.O.T.** are used for food, chemical, medical and other industries.

Industries:

- Baking
- Chemical
- Confectionary
- Conveyor manufacturing
- Dairy
- Food processing and packaging
- Grain processing
- Medical



Grain drag flights manufactured from **TIVAR® H.O.T.** last longer and perform better in higher temperatures or where chemicals such as Hexane are used than those manufactured from standard UHMW.

TIVAR® H.O.T. is available in the following standard sheet sizes: 48" x 120" sheets with gauges ranging from 1/16" to 6" and 48" x 240" sheets with gauges ranging from 3/4" to 3". Other sizes are available on request. It can also be extruded in rod, tube and a variety of standard and custom profiles.

1-800-366-0300 • www.quadrantplastics.com

Important: Most plastics will ignite and sustain flame under certain conditions. Caution is urged where any material may be exposed to open flame or heat generating equipment. Use Material Safety Data Sheets to determine auto-ignition and flashpoint temperatures of material or consult Quadrant. TIVAR® and TIVAR® H.O.T. are registered trademarks of the Quadrant group of companies.