

Beats The Heat When
Standard UHMW Can't

**SIMPLY NO
SUBSTITUTE**

TIVAR® H.O.T.



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

TIVAR® H.O.T. candy mixing paddles solve discoloration, galling and wear problems associated with other thermoplastic materials.

Competitive Advantage

- Developed specifically to excel in chemical and thermocycling environments with temperatures ranging up to 275° F, Quadrant *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 Quadrant TIVAR®, but well below the need for other thermoplastics.

- FDA/USDA-compliant, Quadrant 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.

Key Benefits

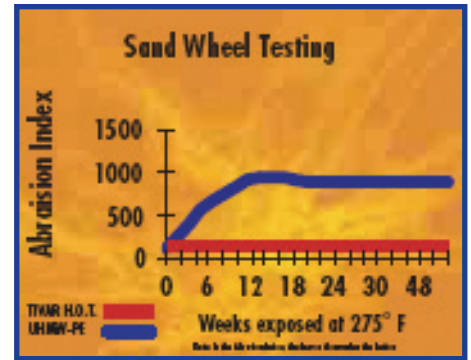
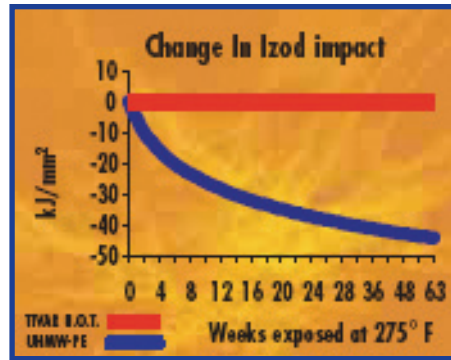
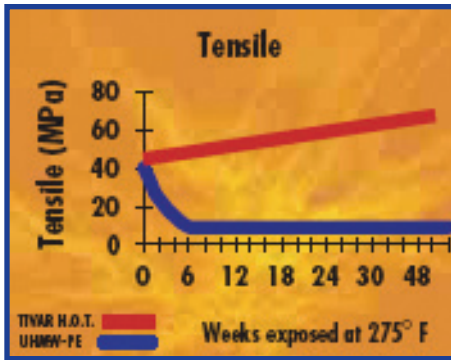
- Extends material wear-life
- Excels in supported applications up to 275° F when standard UHMW break down
- Lasts up to 10 times longer than standard UHMW in higher temperature environments
- Resists abrasion, corrosion, chemicals and moisture
- Meets FDA guidelines 21CFR 178.2010 and 21CFR 177.1520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

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



QUADRANT

Acetron® GP
Duratron® PAI, PEI, PI, PBI
Ethalite® PET-P
Fluorosint® PTFE
Ketrion® PEEK
Nylatron® PA6
Sanalite® HDPE/PP
Semitron® ESD
Synalite® Fluoropolymer
Teetron® PPS
TIVAR® UHMW-PE



Industries

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

Common Applications

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



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.



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.

Quadrant 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.

All statements, technical information and recommendations contained in this publication are presented in good faith, based upon tests believed to be reliable and practical field experience. The reader is cautioned, however, that Quadrant Engineering Plastic Products does not guarantee the accuracy or completeness of this information and it is the customer's responsibility to determine the suitability of Quadrant's products in any given application.

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