

TIVAR® H.O.T. UHMW-PE

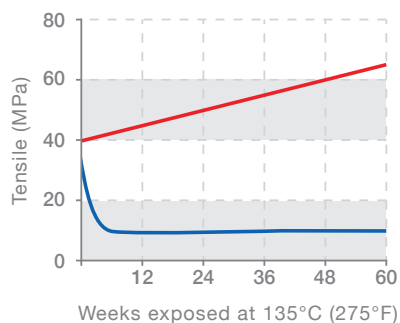
Developed specifically to excel in chemical and thermocycling environments with temperatures ranging up to 135°C (275°F), TIVAR® H.O.T. is becoming the material of choice for baking, food processing & packaging, conveyor manufacturing, grain processing and many other major industries where temperatures are too high for standard TIVAR® (but below the need for Teflon or other thermoplastics).



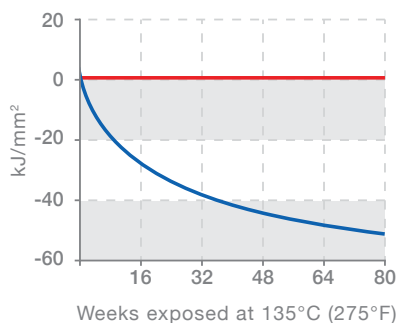
Key Benefits

- Extends material wear-life
- Excels in supported applications up to 135°C (275°F) when standard UHMW breaks 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

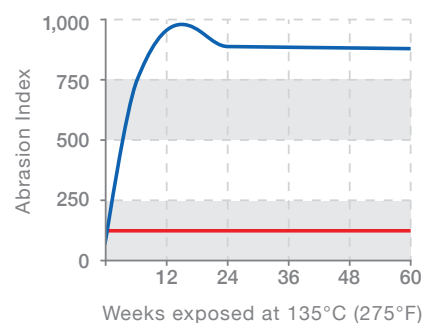
Tensile Comparison



Change in Izod Impact



Sand Wheel Testing



■ TIVAR® H.O.T. UHMW-PE ■ STANDARD UHMW-PE

Industries

- Baking
- Chemical
- Confectionery
- Conveyor manufacturing
- Dairy
- Food processing & packaging
- Grain processing
- Medical

Availability

Sizes

- 48" x 120" sheets with gauges ranging from 1/16" to 6"
- 48" x 240" sheets with gauges ranging from 3/4" to 3"
- Rod sizes from 0.5" to 6"
- Other sizes available on request

Shapes

- Standard Shapes
- Custom Profiles
- Rod
- Tube
- Sheet



Common Applications

- Chain guides
- Conveyor components
- Flights & paddles
- Guide rails
- Liners
- Seals & valves
- Wearstrips, pads, & plates
- Rollers & sprockets
- Grain drag flights



Product Applications

Food Processing

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.

Grain Processing

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.

Proofing Ovens

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

Candy Mixing Paddles

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

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