

TIVAR® H.O.T.

Linings for Elevated Temperature Range



TIVAR® H.O.T.

TIVAR® H.O.T. [Higher Operating Temperature] is a PE-UHMW with extremely high wear resistance which works successfully even at higher temperatures [peaks of up to 135° C are possible]. Among other application fields, TIVAR® H.O.T. is a proven lining material especially for storage and transport containers which work at higher temperature conditions.

Advantages

TIVAR® H.O.T. extends operating times and reduces maintenance works of your machines. It offers longer operation times compared to standard PE-UHMW at higher temperatures.



Customer Benefits

Less maintenance and increased operating times result in cost reductions and time savings.

Due to the material's ability to inhibit the oxidation process, TIVAR® H.O.T. excels in chemical, elevated temperature and thermo-cycling environments.

Key Benefits at a Glance:

- Significantly reduced oxidation, therefore increased life span compared to standard PE-UHMW
- Excels in environments and applications up to 135° C
- Longer operation times compared to standard PE-UHMW at higher temperatures
- Increased chemical resistance compared to standard PE-UHMW
- Meets following guidelines and directives: EU Directive (EU) 10/2011, FDA guidelines 21CFR177.1520 and 21CFR178.2010, USDA guidelines and 3-A-Dairy Sanitary Standard
- Excellent release characteristics



Typical Application Fields:

Conveying industry, bulk material handling, artificial fertilizer industry, sweets and food producing industry, pharmaceutical industry

Product Availability:

- Lining
- Finished parts (e.g. conveying and sliding parts, sealings)



Quadrant Engineering Plastic Products

Europe

Quadrant EPP Deutschland GmbH
Max-Planck-Straße 11
48691 Vreden, Germany
T +49[0] 2564 3010
F +49[0] 2564 3012 55
contact@qplas.com

North America

Quadrant EPP USA, Inc.
2120 Fairmont Avenue
PO Box 14235 - Reading, PA 19612-4235
T 800 366 0300 | +1 610 320 6600
F 800 366 0301 | +1 610 320 6638
americas.epp@qplas.com

Asia-Pacific

Quadrant EPP Asia Pacific Ltd
60 Ha Mei San Tsuen, Ping Shan
Yuen Long - NT Hong Kong
T +852 24702683
F +852 24789966
asia.epp@qplas.com

This brochure and any data and specifications presented here or on our website shall provide promotional and general information about the Engineering Plastic Products (the „Products“) manufactured and offered by Quadrant Engineering Plastic Products („Quadrant“) and shall serve as a preliminary guide. All data and descriptions relating to the Products are of a general informational nature only. Neither this brochure nor any data and specifications presented on our website shall create or be implied to create any legal or contractual obligation. This brochure and any data or specifications herein do not create expressly or by implication any legal, contractual or warranty obligation whatsoever. No warranty of any kind, either express or implied, is made as to the information contained in these pages, including, but not limited to, all warranties provided for by Louisiana law, any implied warranty of merchantability, of fitness for a particular purpose, and any warranty against hidden defects or redhibitory defects or vices. No information in this brochure creates any express or implied warranty that the goods described here in shall conform to any description herein. Quadrant sells the products described herein solely to sophisticated users and not to consumers, and Quadrant assumes no responsibility that any goods described herein will be fit for any particular purpose for which a Quadrant customer may determine to purchase such goods, except and to the sole extent otherwise provided in a separate written contract.

Any illustration of the possible fields of application of the Products shall merely demonstrate the potential of these Products, but any such description does not constitute any kind of covenant or warranty whatsoever. Irrespective of any tests that Quadrant may have carried out with respect to any Product, Quadrant does not possess expertise in evaluating the suitability of its materials or Products for use in specific applications or products manufactured or offered by the customer respectively. It thus remains the customer's sole responsibility to test and assess the suitability and compatibility of Quadrant's Products for its intended applications, processes and uses, and to choose those Products that according to its assessment meet the requirements applicable to the specific use of the finished product. The customer undertakes all liability in respect of the application, processing or use of the aforementioned information or product, or any consequence there of, and shall verify its quality and other properties.

TIVAR® is a registered trademark of the Quadrant group.