



Feroform PR18, Railko NF21

Rudder Bearing and Steering Gear wear part

Tenmat Ferroform and Railko Bearing Materials are used extensively as rudder bearings and steering gear wear parts. Both Ferroform and Railko composite materials have been used with water, grease, and oil lubricants with excellent results.

Product Description

Tenmat Ferroform and Railko grades of reinforced composite materials have been developed containing 'built-in' lubricants. The product not only meets the stringent requirements of pressure capability, low friction (very low stick-slip) and low water swell, and also have approvals for dry operation for upper Pintle bearings.

Tests confirm that Ferroform and Railko marine bearings have better wear resistance than elastomeric and polyester / polyester bearing materials, thus providing ship owners with up to 4 times longer service life and lower operating costs. Tenmat Ferroform and Railko bearings are self-lubricating and can be used in dry applications as well as traditional applications where grease or oil is present, and can also be used with water lubrication.

Product Advantages

- Market-Leading wear performance vs competitor materials
- Excellent stability
- Low, friction, low stick slip
- Low Swell
- Shaft friendly
- Accepts misalignment

Approved Applications

Steering gear thrust rings, Ram cross head, Rudder cross head, Carrier bushes and washers, Rudder stock bushes, Pintle bushes.

Storage

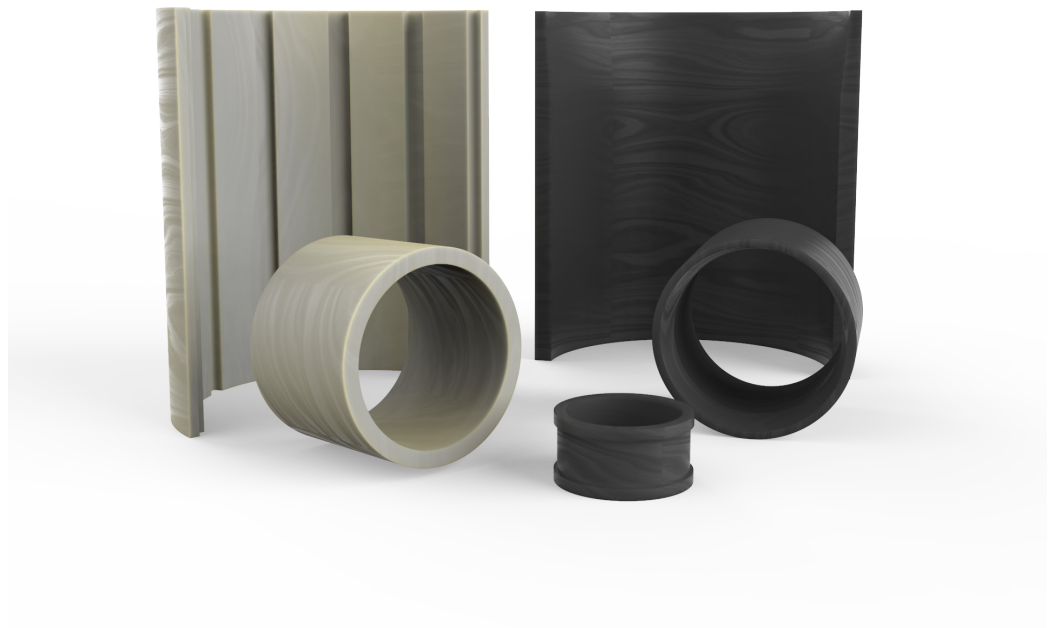
- To be stored in a dry location
 - Take care not to exceed safe working loads and heights for storage shelves and racks
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Working Life

Rudder bearings typically last 10-15 years, depending on the working conditions.

Physical Properties

For all technical data, please view the Tenmat Advanced Composite Laminates Datasheet.



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Tenmat Ltd
Ashburton Rd West, Manchester
M17 1TD United Kingdom

+44 161 872 2181
wpsales@tenmat.com

tenmat.com



Advanced materials.
tenmat.com



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Tenmat warrants the materials it produces will conform to Tenmat specifications and approved drawings where applicable. It is entirely the customer's responsibility to make the final product choice and satisfy themselves of the suitability of the product for the intended application, carrying out testing where required. For construction projects, all products which the customer is intending to use on a particular project must be approved in writing by the customer's building designer, system designer or design control professional, to ensure compliance with the latest regulations.

The information contained in Tenmat data sheets is presented in good faith. The values are "typical only" and are based on test results generally in accordance with BS2782, ASTM, a variety of other main test bodies along with Tenmat internal test methods. These values should not be relied upon for specification purposes or the primary selection of materials. As the data sheet values are typical only, Tenmat does not warrant the conformity of its materials to these properties or the suitability of its materials for any particular purpose. It is the responsibility of the customer to do the necessary testing and satisfy themselves the product is suitable for the intended application.