

## Self Lubricating Bearing Material



**TENMAT** RAILKO RG15 has been developed for demanding bearing applications including pump bearings, wear rings and thrust washers. RAILKO RG15 is hard wearing and dimensionally stable.

RAILKO RG15 has strength, durability, dimensional stability, excellent wear characteristics and exceptional temperature resistance.

| PROPERTY                                   | UNITS                         | RG15        |
|--|-------------------------------|-------------|
| Coefficient of Friction                    | Dry                           | 0.28 - 0.32 |
| Compressive Strength                       | MPa                           | 330         |
| Normal Working Pressure                    | MPa                           | 82          |
| Compressive Yield                          | % @ 68.9 MPa                  | 1.8         |
| Impact Strength                            | kJ/m <sup>2</sup>             | 20          |
| Shear Strength                             | MPa                           | 80          |
| Hardness                                   | Brinell                       | 28          |
| Swell in Water                             | % @ 20 °C                     | 0.4         |
| Density                                    | g / cm <sup>3</sup>           | 1.28        |
| Coefficient of Thermal Expansion           | 10 <sup>-6</sup> /°C normal   | 60          |
|  | 10 <sup>-6</sup> /°C parallel | 30          |
| Maximum Continuous Operating Temperature   | °C                            | 200         |
| Maximum Intermittent Operating Temperature | °C                            | 220         |

The information contained in this data sheet is presented in good faith. They are typical test results tested generally in accordance with BS, ISO and ASTM test methods and should not be used for specifications. **TENMAT** does not warrant the conformity of its materials to the listed properties or their suitability for any particular purpose.

For further information please contact our Technical Sales Department on +44 161 872 2181.