

RAILKO RG1/RG11 Bearing Material



TENMAT RAILKO RG1/RG11 have been especially developed for demanding bearing applications including pump bearings, wear rings and thrust washers. RAILKO RG1/RG11 is hard wearing and dimensionally stable.

RAILKO RG1/RG11 has strength, durability, dimensional stability, excellent wear

characteristics and exceptional temperature resistance.

RG1/RG11 products are the same formulation. RG1 is for flat products and RG11 for cylindrical products.

PROPERTY	UNITS	TYPICAL VALUE
Coefficient of Friction	Dry	0.33 - 0.42
Compressive Strength	MPa	277
Normal Working Pressure	MPa	82
Compressive Yield	% @ 68.9 MPa	2.24
Impact Strength	kJ/m ²	35
Shear Strength	MPa	84
Hardness	Brinell	30
Swell in Water	% @ 20 °C	0.42
Density	g / cm ³	1.32
Coefficient of Thermal Expansion	10 ⁻⁶ /°C normal 10 ⁻⁶ /°C parallel	48 26
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.