

General Purpose Bearing Material

TENMAT RAILKO JL31 and JL33 are composite materials made from woven fibre bonded with resin with a friction modifier.

RAILKO JL31 and JL33 are general purpose materials that give good wear life and low friction.



PROPERTY	UNITS	JL31/JL33
Coefficient of Friction	Dry	0.17 - 0.23
Compressive Strength	MPa	180
Normal Working Pressure	MPa	48
Compressive Yield	% @ 68.9 MPa	1.8
Impact Strength	kJ/m ²	10
Shear Strength	MPa	35
Hardness	Brinell	30
Swell in Water	% @ 20 °C	0.5
Density	g / cm ³	1.36
Coefficient of Thermal Expansion	10 ⁻⁶ /°C normal 10 ⁻⁶ /°C parallel	110 15
Maximum Continuous Operating Temperature	°C	130
Maximum Intermittent Operating Temperature	°C	150

The information contained in this data sheet is presented in good faith. They are typical test results tested generally in accordance with BS 2782 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.