



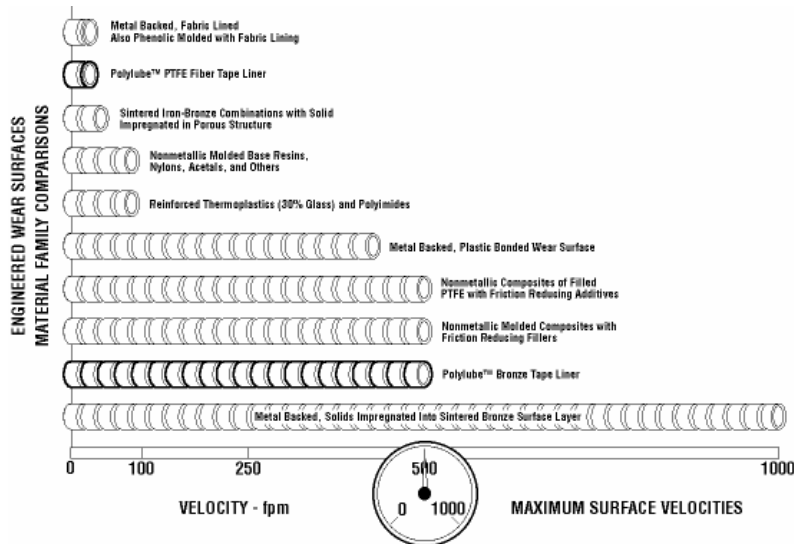
# Q: *“How Do Self-Lubricating Composite Bearings Compare To Other Bearing Materials?”*

**A:** The Polygon PolyLube™ bearing can be used as a replacement for traditional powdered metal bearings where concerns over grease, contaminants, galling, corrosion or weight are problems.

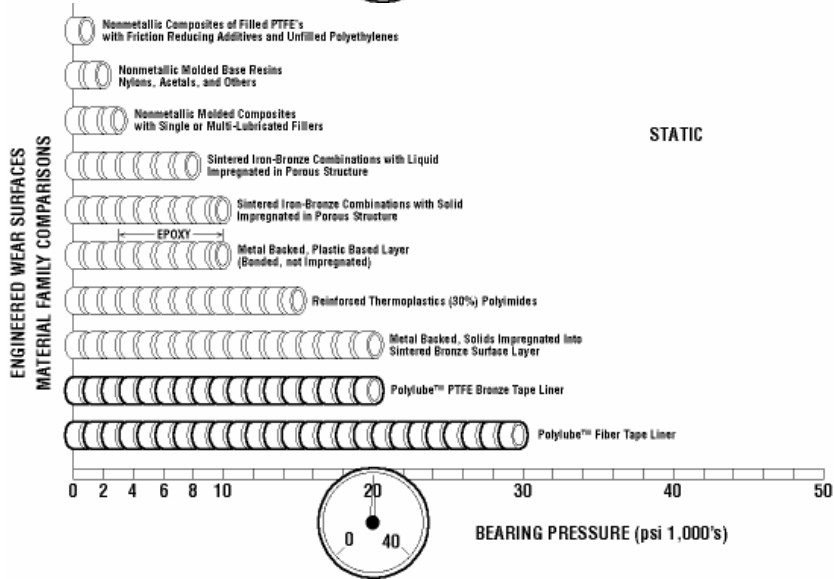
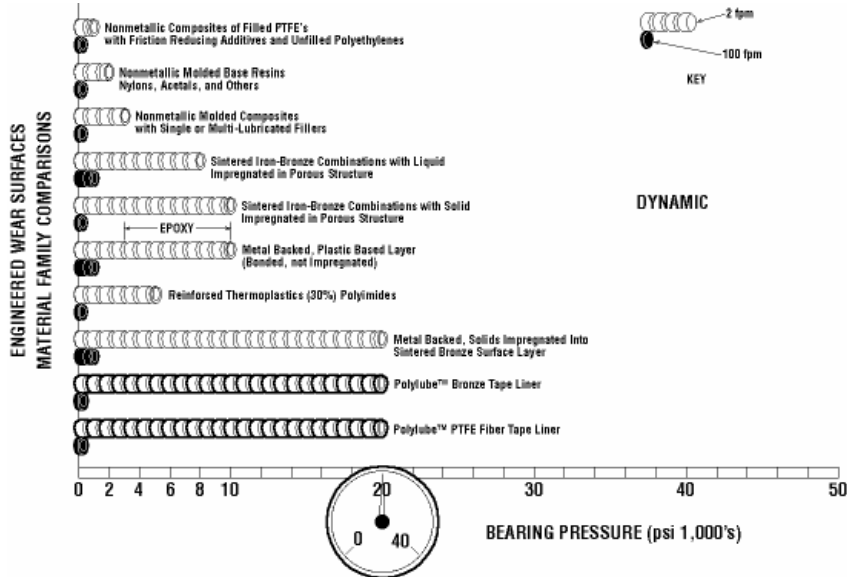
In addition, traditional metal-backed bearings can be replaced in applications where the bearing will be in potentially corrosive environments, the potential of lead contaminants in the wear surface are problematic, or where the relatively thin liner could yield catastrophic failure should the wear surface fail and produce intimate contact between the shaft and the bearing.

Some applications where traditional thermoplastic bearings will be in contact with water and swelling will occur, where sizing and finished part tolerance is critical, and where any concerns over either static or dynamic loads suggest that a thermoplastic material will not perform are ideal application areas for the Polygon PolyLube™ self-lubricating composite bearing.

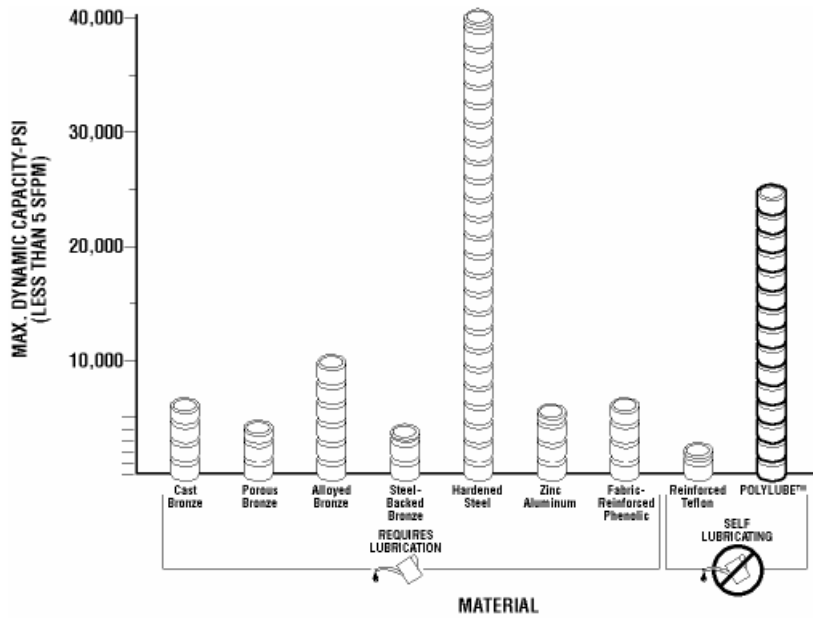
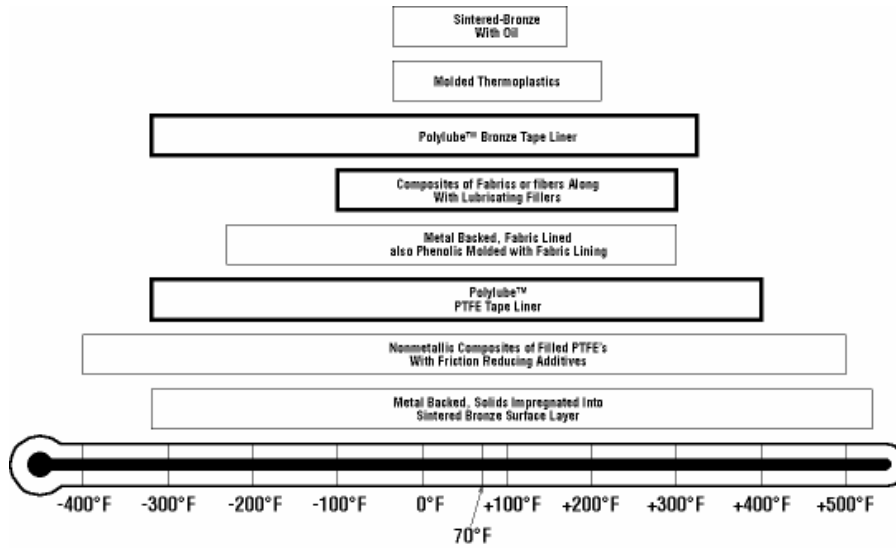
For other comparisons, please reference the following illustrations:



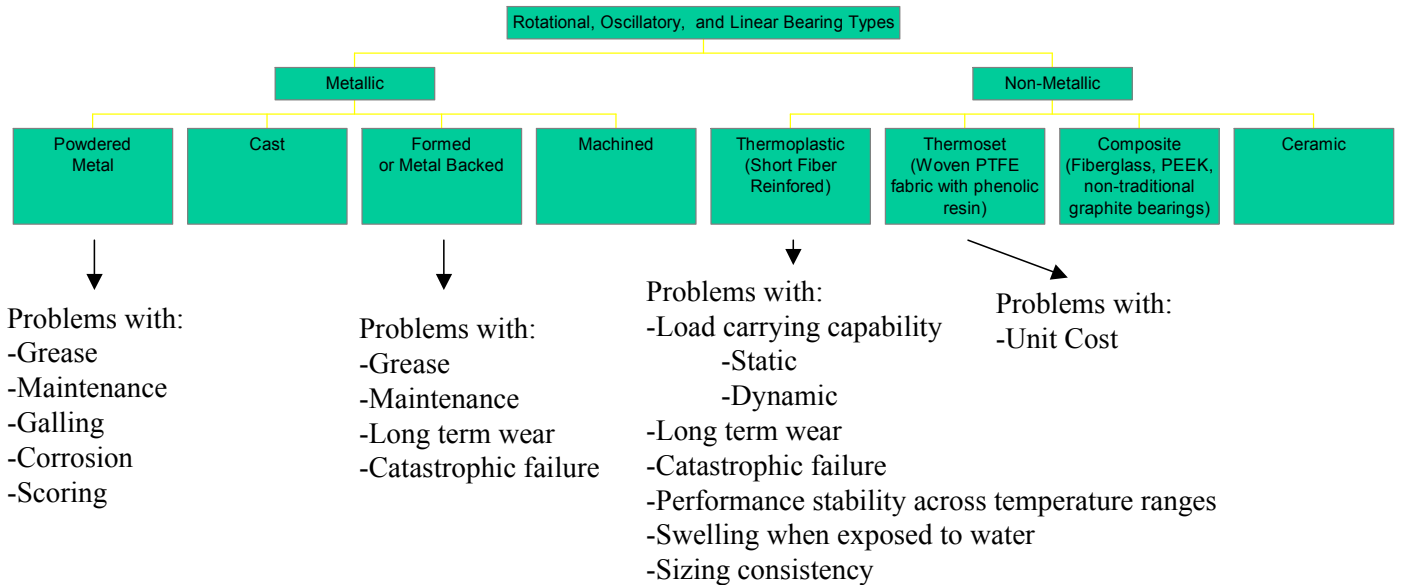
# “How Do Self-Lubricating Composite Bearings Compare To Other Bearing Materials?”



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*\*Note: These are typical composite properties and comparisons. More specific and application oriented technical comparative properties can be provided by Polygon’s application engineers. Should you have any specific type of bearing material or type of test in mind, please do not hesitate to contact a Polygon PolyLube™ application engineer.*