

## **VESCONITE KEY FEATURES**

### **Internal lubrication**

Vesconite has built-in lubricants that translate into low friction and long life, even where no lubrication is applied.

### **High wear resistance**

Vesconite provides outstanding wear resistance, resulting in extended service life compared to bronze bushings. Unlike many traditional materials, Vesconite is less affected by poor lubrication and dirty conditions.

### **High load bearing strength**

Vesconite has very low creep rates and can therefore operate under tight tolerances. It has a much higher load capacity than nylon, and its compressive strength and clearances are not affected by water absorption.

### **Dimensional stability**

Vesconite does not swell when exposed to water or humid conditions, while nylon can swell up to 3% when immersed. In most applications, little allowance needs to be made for moisture changes.

### **Low friction**

Vesconite has outstanding dynamic friction, with a friction coefficient (0.08) of less than half that of bronze or nylon. This allows for a higher PV ratio (load x speed).

### **Temperature limits**

Vesconite is suitable for continuous use at 100° – 120°C (212° – 248°F) in dry conditions and 60° – 70°C (140° – 158°F) in wet conditions.

### **Shaft friendly**

With Vesconite, the wear rate of corresponding metal pins and shafts can be reduced by as much as 90%. The resultant cost-saving benefits can alone justify a switch to Vesconite in many applications.

### **Chemical resistance**

Vesconite is resistant to dilute and moderate acids, organic solvents, oils and petroleum. It has limited resistance to strong acids and alkalis.



### **Easy to machine – easy to fit**

Vesconite machines easily on standard wood- and metal-working equipment, such as lathes, milling machines, bandsaws, drilling machines, planers, spindle molders and routers. As many of our customers around the world will testify, Vesconite is a both a pleasure to machine and fit.

### **Cost saving**

Combining an exceptionally low wear rate and shaft-friendly features, Vesconite and its corresponding parts require little maintenance – resulting in significant cost savings.