



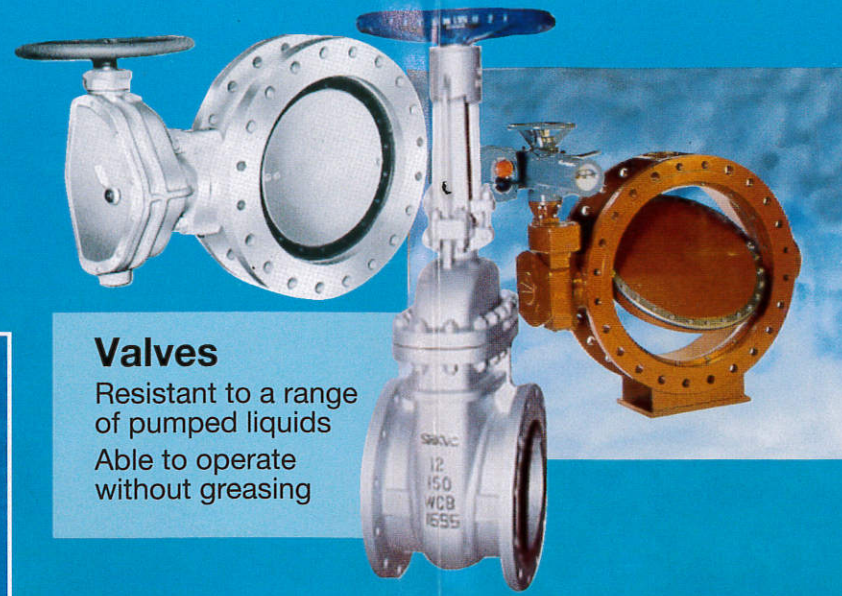
Ideal underwater
Vesconite bushings

- No swell
- No softening

www.vesconite.com



Vesconite and Vesconite Hilube



Valves

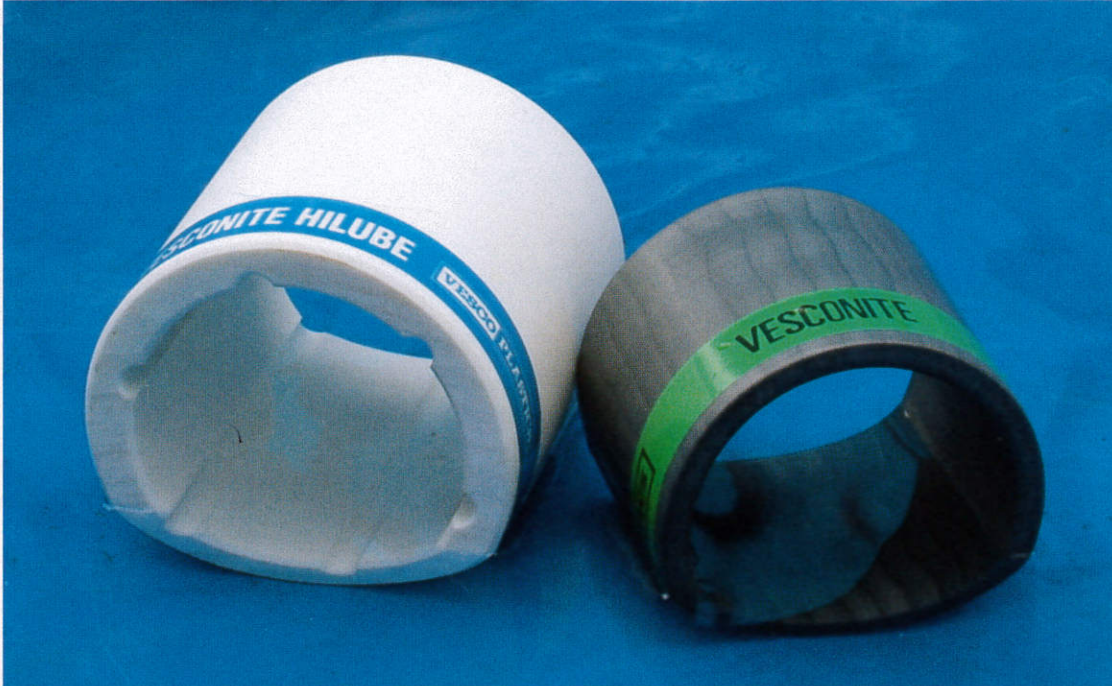
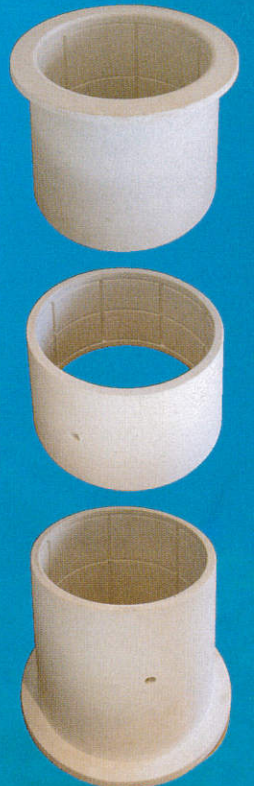
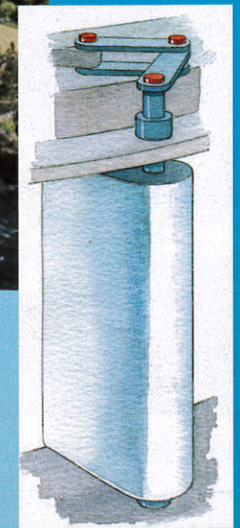
Resistant to a range of pumped liquids
Able to operate without greasing



Hydropower

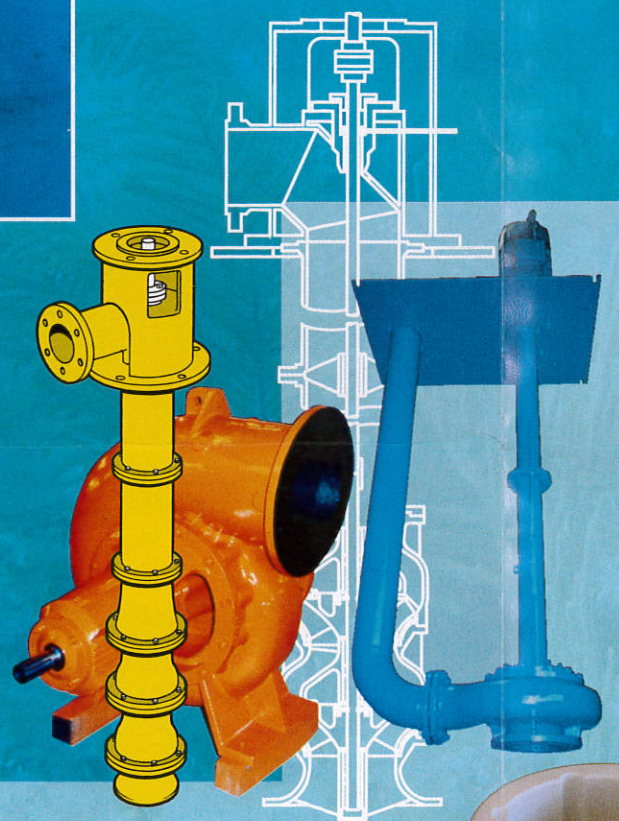
Vesconite used in wicket gate and control lever bushings and turbine bearings.

- Ultra long life with minimal maintenance
- Close running clearances give stable operation



Typical applications for Vesconite and Vesconite Hilube

- Vesconite does not swell in water and so close clearances can be maintained without fear of seizure
- Vesconite does not soften in wet conditions and so high loads can be carried
- Vesconite is resistant to a large range of typical chemicals
- Water effectively lubricates Vesconite bushings eliminating the need for external lubrication systems
- Vesconite does not suffer from electrolytic corrosion.

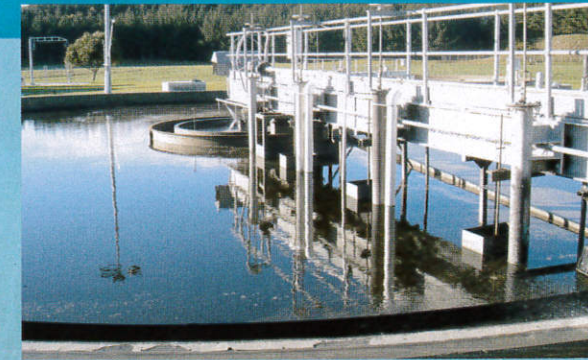


Pumps

Vesconite used in vertical turbine, centrifugal pumps and sump pumps.

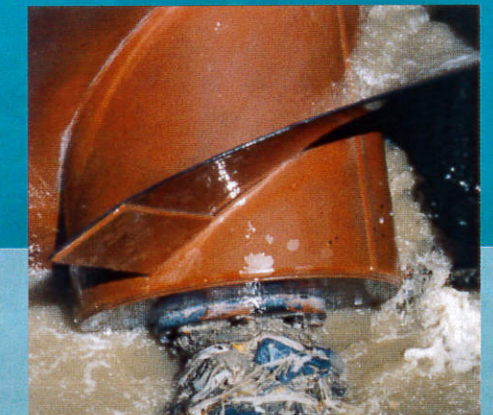
Support bearings, lineshaft bearings and wear rings.

- No water swell gives stable shafts
- Long life water - lubricated bearings
- Able to run dry



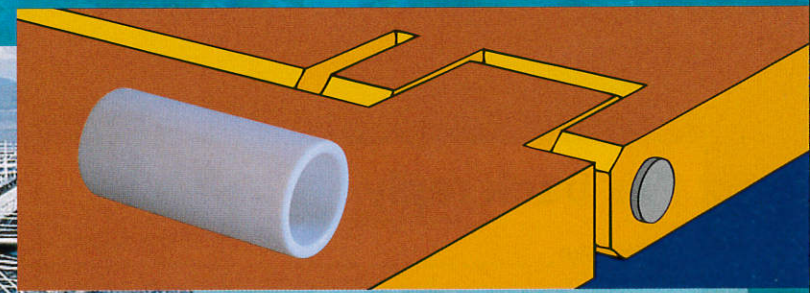
Water purification and sewage

- Chemically resistant
- Long life with minimal maintenance
- No swell underwater



Archimedes screws

Water lubricated bottom bearings. Resistant to a range of chemicals.

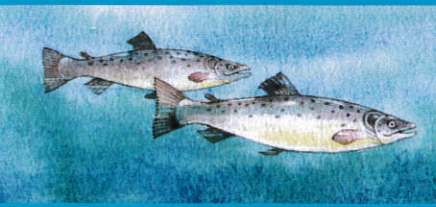


Fish farming

Vesconite Hilube bushings used on platform and cage hinges in ocean based fish farms.

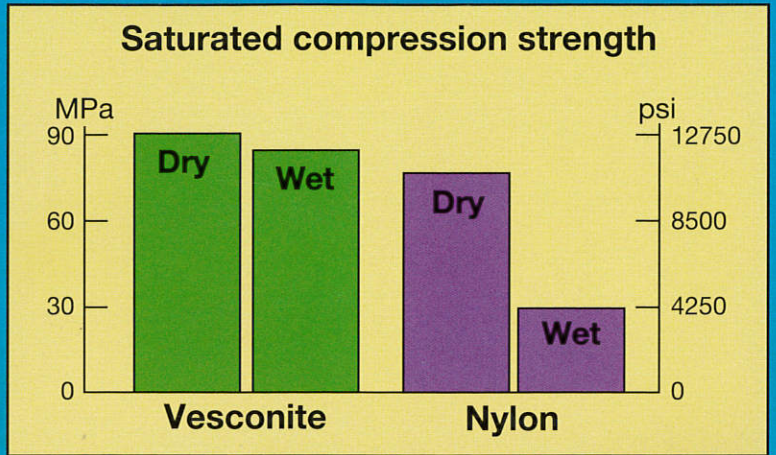
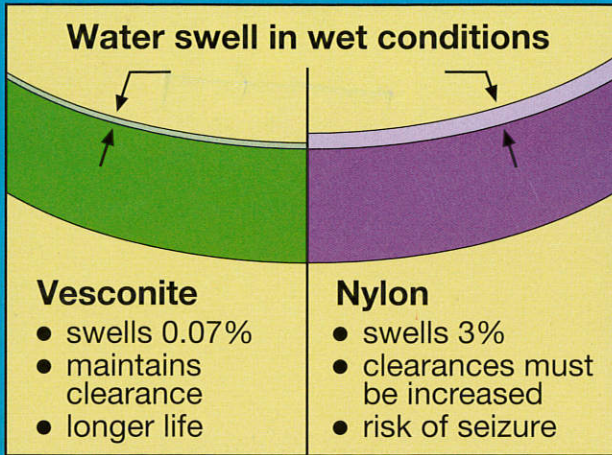
- No water swell
- Long life with no maintenance
- Silent operation

Typical properties of Vesconite and Vesconite Hilube



	<i>Metric</i>	<i>Imperial</i>
Compressive strength	89 MPa	12,750 psi
Design load	30 MPa	4,250 psi
Linear expansion	0.07%	0.07%
Guide maximum operating temperature	Dry	100° - 120°C
	Wet	60° - 70°C
Thermal coefficient of expansion	6×10^{-5} mm/mm/°C	3.3×10^{-5} in/in/°F

Performance in wet conditions



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