

VESCONITE HILUBE

Vesconite Hilube is our flagship thermopolymer, designed for particularly difficult operating environments. Hilube is specifically recommended for moist and underwater applications. These include the pump and marine industry, where regular maintenance is not practically feasible or cost-effective. Displaying superior wear life, especially in poorly lubricated and dirty conditions, Vesconite Hilube has been shown to offer up to ten times the life of bronze bushings.

Vesconite Hilube incorporates an internal lubricant that translates into an exceptionally low friction coefficient. Combined with excellent dimensional stability, low wear rates and a high load-bearing capacity. Hilube has a PV rating (pressure x velocity) four times that of nylon bushings.

Vesconite is available in a wide range of rods, bushings, plates, and machined custom parts.



TECHNICAL SPECIFICATIONS FOR VESCONITE	METRIC	IMPERIAL
Friction coefficient (unlubricated on steel)	0.12 - 0.20	0.12 - 0.20
Compressive yield strength	89 MPa	12,750 psi
Design load (static, oscillating or occasional)	30 MPa	4,250 psi
Linear expansion at 65% relative humidity	0.04%	0.04%
Linear expansion - saturated	0.07%	0.07%
Maximum operating temperature guide		
Dry	100° - 120°C	210° - 250°F
Wet	60° - 70°C	140° - 160°F
Thermal coefficient of expansion	6 x 10 ⁻⁵ mm/°C	3.3 x 10 ⁻⁵ in/in/°F
Density / specific gravity	1.38 g/ml	1.38
Modulus of elasticity	2.2 GPa	500 000 psi
Poisson's ratio (oriented)	0.37-0.44	0.37-0.44

Order Vesconite Hilube at:

www.professionalplastics.com/Vesconite_Hilube

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