

Vesconite vs Thordon

Property	Unit	Vesconite		Thordon					
		Vesconite	Vesconite Hilube	Thordon XL	Thordon SXL	Thordon HPSXL	COMPAC	Composite	Thorplas (blue)
Colour		Grey	White	Black	Off-white	Grey	Orange	Yellow & black	Blue
Design Load	MPa	30	30	10	10	15	10	-	31
Compressive Strength At Yield	MPa	93	98	-	-	-	-	-	91
Compressive Modulus of Elasticity	MPa	2300	2200	490	440	650	440	-	3280
Ultimate Tensile Strength	MPa	66	67	35	37.5	40	37.5	17	66
Moisture Absorption (24 hrs)	(%)	0.11	0.11	1.3	1.3	1.3	1.3	1.3	0.05
Moisture Absorption (28 days)	(%)	0.12	0.13	-	-	-	-	-	0.3
Coefficient of friction		0.09	0.08	0.20 - 0.25	0.10 - 0.20	0.25 - 0.35	0.10 - 0.20	0.15 - 0.20	0.10-0.17
Coefficient of Linear Thermal Expansion	mm/mm.°C	6 x 10 ⁻⁵	6 x 10 ⁻⁵	18.1 x 10 ⁻⁵	21.1 x 10 ⁻⁵	12 x 10 ⁻⁵	21.1 x 10 ⁻⁵	18.1 x 10 ⁻⁵	4.6 x 10 ⁻⁵
Max T (Wet)	°C	70	70	60	60	60	60	60	80
Max T (Dry)	°C	~ 120	~ 120	107	107	107	107	-	110
Max T (In Oil)	°C			75	75	-	75	-	-
Thermal Conductivity	W/m.K	0.3	0.3	0.25	0.25	0.25	0.25	0.25	0.25
Specific Gravity	-	1.38	1.38	1.21	1.16	1.28	1.16	1.1	1.4
IZOD Impact Strength	J/m	30	30	~ 150	~ 500	-	~ 500	Sample Not Broken	40
Hardness	Shore D	83	83	-	-	-	-	-	83