



Vesconite Data Sheet

Density	1.38 g.ml
Melting point	260 °C
Hardness (Shore D)	84
Tensile strength at yield (ASTM D-638)	65 MPa
Tensile strength at break	62 MPa
Elongation at break	26%
Tangent modulus of elasticity (ASTM D-790)	3400 MPa
Flexural yield strength	120 MPa
Deflection temperature at 1.85MPa	93 °C
Modulus of elasticity under compression	2290 MPa
Compression strength at yield	98 MPa
Shear strength	49 MPa
Notched impact strength charpy (ASTM D-256)	33 J.m
Notched impact strength IZOD	16 J.m
Heat conductivity	0.3 W.K.m
Coefficient of linear thermal expansion	6x10 ⁻⁵ °C
Maximum moisture absorption in water at 20°C	0.5%
Equilibrium moisture absorption in air (50% RH, 23°C)	0.2%
Dynamic unlubricated friction coefficient on steel	0.12-0.20
Dielectric strength	14 kV.mm
Gamma ray resistance 50% loss of properties	100 Mrads