



TRU-STONE TECHNOLOGIES DIVISION

Zimbabwe Black Granite Physical Properties

Absorption % by weight	0.03
Density lbs/ft ³ (kg/m ³) Conv: lb/ft ³ x16.0283=kg/m ³	192.4 (3,081)
Modulus of Rupture lbs/in ² (Mpa) Conv: x,xxxpsi/145=Mpa	4,670 (32.1)
Compressvie Strength lbs/in ² (Mpa) Conv: x,xxxpsi/145=Mpa	43,680 (301.1)
Flexural Strength lbs/in ² (Mpa) Conv: x,xxxpsi/145=Mpa	2,980 (20.6)
Flexural Modulus of Elasticity Parallel to Rift Direction lbs/in ² (Gpa) Conv: x.xxE+06psi/.145=Gpa	9.92E+06 (68.4)
Flexural Modulus of Elasticity Perpendicular to Rift Direction lbs/in ² (Gpa) Conv: x.xxE+06psi/.145=Gpa	1.17E+07 (80.7)
Thermal Conductivity (W/m-K at 20°C)	(2.68)
Coefficient of Thermal Expansion in/in-°F at 68°F (m/m-°C at 20°C) Conv: [x.xxE-06in/in-°F]x1.8=m/m-°C	2.68E-06 (6.04E-06)

