



TRU-STONE TECHNOLOGIES DIVISION

Academy Black Granite Physical Properties

Absorption % by weight	0.11
Density lbs/ft ³ (kg/m ³) Conv: lb/ft ³ x16.0283=kg/m ³	181.6 (2,910)
Modulus of Rupture lbs/in ² (Mpa) Conv: x,xxxpsi/145=Mpa	2,410 (16.6)
Compressive Strength lbs/in ² (Mpa) Conv: x,xxxpsi/145=Mpa	24,200 (167)
Abrasion Resistance Ha (mm)	68.7
Flexural Strength lbs/in ² (Mpa) Conv: x,xxxpsi/145=Mpa	2,210 (15.2)
Flexural Modulus of Elasticity Parallel to Rift Direction lbs/in ² (Gpa) Conv: x.xxE+06psi/.145=Gpa	9.90E+06 (68.2)
Flexural Modulus of Elasticity Perpendicular to Rift Direction lbs/in ² (Gpa) Conv: x.xxE+06psi/.145=Gpa	1.10E+07 (75.9)
Thermal Conductivity (W/m-K at 20°C)	(2.48)
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	2.77E-06(4.99E-06)

