

## *Academy Black Granite Physical Properties*

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

