

Technical Specifications

	TruStone Classic	TruStone Tuscany	TruStone Noche	TruStone Walnut	TruStone Gold	TruStone Silver
Hardness (MOHS)	3.5	3.5	4	4	3.5	3.5
Water volume AP by volume	2.5 gr/cm ³	2.5 gr/cm ³	2.3 gr/cm ³	2.5 gr/cm ³	3.7 gr/cm ³	2.4 gr/cm ³
Water volume AP by weight	2.75 gr/cm ³	2.70 gr/cm ³	2.89 gr/cm ³	2.72 gr/cm ³	2.9 gr/cm ³	2.64 gr/cm ³
Water absorption during atmosphere	1.6%	1.5%	1.8%	1.1%	2.5%	1.2%
Absorption in the boiling water	3.0%	3.1%	2.8%	1.2%	6.0%	1.4%
Porosity	2.4%	2.4%	2.5%	2.3%	6.7%	2.9%
Pressure (Compressive Strength)	8001 psi	8022 psi	7980 psi	8107 psi	7100 psi	6827 psi
Pressure after frozen (Compressive Strength)	8203 psi	8270 psi	8100 psi	8277 psi	7250 psi	7154 psi
Pressure after impact (Impact Strength)	135.6 psi	133.6 psi	128.6 psi	156.46 psi	98.2 psi	327.13 psi
Pressure during bending (Bending Strength)	1498 psi	1520 psi	1498 psi	1536 psi	1175 psi	2147 psi
Flexibility modulus (Modulus of elasticity)	9.75x10 ⁻⁴ kgF/cm ²	11.55x10 ⁻⁴ kgF/cm ²	7.55x10 ⁻⁴ kgF/cm ²	5.38x10 ⁻⁴ kgF/cm ²	28.75x10 ⁻⁴ kgF/cm ²	5.90x10 ⁻⁴ kgF/cm ²
Repletion rate (Ratio of Fullness)	92%	93%	91%	91.9%	92%	92.6%
Permeability rate (Degree of pores)	8.0%	8.5%	9.2%	8.1%	8.0%	7.41%
Approx. wear strength (Avg. Tensile Strength)	1440 psi	1425 psi	1527 psi	1583.2 psi	1879 psi	1633 psi
Approximate shrinkage	37 kgF/cm ²	37 kgF/cm ²	39 kgF/cm ²	41 kgF/cm ²	37 kgF/cm ²	39 kgF/cm ²
Thermal conductivity	1. 26-1.33 k-W/(m.K)	1. 26-1.33 k-W/(m.K)	1. 26-1.33 k-W/(m.K)	1. 26-1.33 k-W/(m.K)	1. 26-1.33 k-W/(m.K)	1. 26-1.33 k-W/(m.K)
Static Coefficient. Of Friction						
Dry Average	0.9 SCOF	0.9 SCOF	0.9 SCOF	0.9 SCOF	0.9 SCOF	0.9 SCOF
Wet Average	0.7 SCOF	0.7 SCOF	0.7 SCOF	0.7 SCOF	0.7 SCOF	0.7 SCOF

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