

# GREATMATS

## Amorim Rubber Tile Specifications

	Test Method	Amorim Typical Value
Durometer, Shore A, points of hardness	ASTM D2240-97	60
Density, lbs/ft <sup>3</sup>	ASTM D297-93 Part A, Section 16.3	64
Compressibility@ 100 psi, %	ASTM F36-95	12
Recovery, % after 100 psi compression	ASTM F36-95	85
Flexibility	ASTM F137-71(1994)	F=1
Tensile, psi	ASTM D412-98a, die C @20 ipm	
<b>With grain</b>		600
<b>Against grain</b>		450
Tear, ppi	ASTM D624-98, die C@ 20 ipm	
<b>With grain</b>		150
<b>Against grain</b>		120
Compression Set, %, 22 hours at 158 degrees F	ASTM D395-98, Method B	
<b>25% deflection</b>		40%
<b>50% deflection</b>		30%
Coefficient of Friction	ASTM D1894-95	
<b>Dry</b>		1.33
<b>Wet</b>		1.56
Critical Radiant Flux	ASTM E 648-99	0.1 W/cm <sup>2</sup>
Flammability and Flame Spread	DOC FFI-70 CSPC	Pass
Indoor Abrasion, % of Material Loss	ASTM C501-84(1996)	0.24
Resistance to Chemical Attack	ASTM F925-97	
<b>Ammonia</b>		No surface attack or color change
<b>Bleach</b>		No surface attack or color change
<b>Disinfectant</b>		No surface attack or color change
<b>Alcohol</b>		No surface attack or color change
<b>Tide</b>		No surface attack or color change
<b>5% NaOH Solution</b>		No surface attack or color change
<b>Human Sweat</b>		No surface attack or color change
Instrumented Impact, absorbed energy at rupture, ft/lbs	ASTM D3763-00	20
Static Load Limit, residual compression	ASTM F970-98	.0016"
Rubber In Compression, % deflection	ASTM D575-91, 500 lb. Load	43
Compression Endurance	10,000 fatigue cycles at 50% displacement	5% set