



Amorim Sports Floor Specifications

	Test Method	Amorim Typical Value
Durometer, Shore A, points of hardness	ASTM D2240-97	60
Density, lbs/ft³	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	
With grain		600
Against grain		450
Tear, ppi	ASTM D624-98, die C @ 20 ipm	
With grain		150
Against grain		120
Compression Set, %, 22 hours at 158°F	ASTM D395-98, Method B	
25% deflection		40%
50% deflection		30%
Coefficient of Friction	ASTM D1894-95	
Dry		1.33
Wet		1.56
Critical Radiant Flux	ASTM E 648-99	0.1 W/cm ²
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	
Ammonia		No surface attack or color change
Bleach		No surface attack or color change
Disinfectant		No surface attack or color change
Alcohol		No surface attack or color change
Tide		No surface attack or color change
5% NaOH Solution		No surface attack or color change
Human Sweat		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