

Characteristic	Standard	Unit	Requirement	Values From Manufacturing Controls*
Modulus at 10% Elongation	ASTM D412	psi	≥300	>370
Coefficient of Friction	ASTM D2047	-	≥0.50	≥0.85
Hardness	ASTM D2240	Shore A	≥85	90 ±5
Abrasion Resistance (H18 wheels, 1000g, 1000 cycles)	ASTM D3389	g loss	≤1.0	≤0.6
Critical Radiant Flux	ASTM E648	W/cm ²	≥0.45	>0.45 (Class 1)
Optical Density of Smoke	ASTM E662	-	≤450	<450
Wear Layer Thickness	ASTM F410	mm	≥1	>1
Chemical Resistance	ASTM F925	-	-	Compliant**
Static Load	ASTM F970	in	≤0.005 (at 250 psi)	0.001 (at 250 psi) 0.004 (at 800 psi)
Resistance to Heat	ASTM F1514	ΔE	≤8.0	Compliant
Resistance to Light	ASTM F1515	ΔE	≤8.0	Compliant
Tile Size	ASTM F2055	mm	±0.45	Compliant
Tile Squareness	ASTM F2055	mm	≤0.254	Compliant
Dimensional Stability of Tiles	ASTM F2199	%	≤0.15	Compliant

Environmental Attributes

Air Quality (VOC Emissions)	AgBB CA Section 01350 GREENGUARD Certification GREENGUARD Gold M1 Emission Class for Building Materials	✓ ✓ ✓ ✓ ✓		
Environmental Label	The Blue Angel (RAL-UZ 120)			
Health-Conscious Production	Lava is manufactured <u>without</u> : BPA (Bisphenol A) Formaldehyde Halogen Heavy Metal Isocyanate Phthalate PVC (Polyvinyl Chloride)			
Production Plant	ISO 9001 and ISO 14001 Resilient flooring manufactured using a source of green energy: solar energy.			



Weight and Dimensions	Metric	Imperial
Thickness (ASTM F386)	3 mm (±0.15 mm)	0.118" (±0.006")
Weight	~4.7 kg/m ²	~0.96 lb/ft ²
Roll Width	1.90 m	6'2"
Roll Length	10 m [min. 6 m; max. 18 m]	32'9" [min. 19'8"; max. 59']
Tiles	61 cm x 61 cm	24" x 24"

*Values obtained from manufacturing controls can vary between production lots and do not constitute representations or warranties as to any particular production lot. Mondo reserves the right to modify product design and/or specifications at any time without notice.

**For the complete list of chemicals tested, concentrations and contact time, please communicate with Mondo's Technical Department.