JUGANDO Technical Data Sheet

Product Information

Composition	Construction	Mat Size	Sq. ft. / Mat	Edge Finish	Available Thickness	Manufactured
Recycled Rubber EPDM or Pigment Polyurethane Binder	Molded	24″ x 24″	4	Dowel Interlocking	1.5″, 2.25″	North America

Testing

Performance	Standard	Requirement	Performance vs. Requirements
TVOC Range	CDPH/EHLB v1.2-2017 (California Section 01350)	<0.5 mg/m³	Pass
Low Emitting Adhesives	SCAQMD Rule #1168	Less than 50 g/L	Pass, 37 g/L
Recycled Content	1.5″ Black: 74.47% Post-Consumer, 0.0% Post-Industrial, 74.47% Total Recycled Content		
	1.5″ 25% EPDM: 85.51% Post-Consumer, 0.44% Post-Industrial, 85.95% Total Recycled Content		
	1.5″ 50% EPDM: 82.86% Post-Consumer, 0.72% Post-Industrial, 83.58% Total Recycled Content		
	1.5″ 75% EPDM: 77.55% Post-Consumer, 1.27% Post-Industrial, 78.82% Total Recycled Content		
	1.5″ Pigment: 89.24% Post-Consumer, 0.00% Post-Industrial, 89.24% Total Recycled Content		
	2.25″ Black: 89.88% Post-Consumer, 0.0% Post-Industrial, 89.88% Total Recycled Content		
	2.25″ 25% EPDM: 85.99% Post-Consumer, 0.39% Post-Industrial, 86.38% Total Recycled Content		
	2.25″ 50% EPDM: 83.64% Post-Consumer, 0.64% Post-Industrial, 84.29% Total Recycled Content		
	2.25″ 75% EPDM: 78.89% Post-Consumer, 1.14% Post-Industrial, 80.03% Total Recycled Content		
	2.25″ Pigment: 89.42% Post-Consumer, 0.00% Post-Industrial, 89.42% Total Recycled Content		

Testing

Description	Test Method	Up to 50% Color	Over 50% Color
Accelerated Floor Trafficking		None	None
Static Propensity	AATCC 134	Maximum Average Voltage = POS 1.6 KV	
NRC Sound Absorption	ASTM C423		SAA - 0.06 NRC - 0.05
Abrasion Resistance	ASTM C501	Weight Loss 0.22 Grams	Weight Loss 2.85 grams - 4.0%
Compression Set	ASTM D395B	98.05% recovered; 1.95% unrecovered	94.7% recovered; 5.3% unrecovered
Breaking Load / Elongation / Tensile	ASTM D412	Length: Breaking Load - 32.21 lbs Elongation - 123.88% Modulus @ 10% - 16.88 psi Tensile - 261.9 lbs/sq inch Width: Breaking Load - 30.25 lbs Elongation - 114.38% Modulus @ 10% - 21.96 psi Tensile - 245.9 lbs/sq inch	Breaking load - 73.7 lbs Elongation - 117.6% Tenacity - 186.1 Lbs/Square Inch
Static Coefficient	ASTM D2047	Standard Neolite - Dry 1.17; Wet 1.13	Dry 0.85; Wet 1.01

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		Leather: Dry >1.20; Wet 0.95	
Hardness Shore A Durometer	ASTM D2240	60	62
Density	ASTM D3676	55.1 Lbs/Cubic Foot	78.3 Lbs/Cubic Foot
Impact Sound Transmission	ASTM E492	4mm - IIC 56	8mm - IIC 59
Critical Radiant Flux	ASTM E648	CRF 0.35 watts/square cm (6mm - Medium Color)	CRF 0.49 watts/square cm (6mm High Color)
Critical Radiant Flux - With Fire Retardant	ASTM E648	CRF 0.37 watts/square cm (6mm - 80% Fire Retardant/20% SBR) CRF 0.51 watts/square cm (8mm - 80% Fire Retardant/20% SBR) CRF 0.35 watts/square cm (10mm - 80% Fire Retardant/20% SBR)	CRF 0.20 watts/square cm (8mm - 40% Fire Retardant/60% SBR) CRF 0.37 watts/square cm (10mm - 40% Fire Retardant/60% SBR)
Critical Radiant Flux (15 min burn) - With Fire Retardant	ASTM E648 (NY)	CRF 0.84 watts/square cm (4mm Black with 30% EPDM with Fire Retardant)	
Smoke Density	ASTM E662		Non-Flaming 396
Flexibility	ASTM F137	Passes 6 mm Mandrel	Passes 6 mm Mandrel
Electrical Resistance - Surface to Ground	ASTM F150	$4.6x10^{10}$ Ohms (average)	$1.9x10^{11}$ Ohms (average)
Electrical Resistance - Surface to Surface	ASTM F150	$1.5x10^{11}$ Ohms (average)	$3.9x10^{11}$ Ohms (average)
Electrostatic Discharge - Surface to Ground	ANSI ESD S7.1 (2005)	50% relative humidity - 5.2 x 10^{9} Ohms 12% relative humidity - 1.2 x 1010 Ohms	
Electrostatic Discharge - Surface to Surface	ANSI ESD S7.1 (2005)	50% relative humidity - 1.9 x 10^{10} Ohms 12% relative humidity - 4.5 x 1010 Ohms	
Resistance to Chemicals	ASTM F925	No Change to all except for a Slight Change to Kerosene	No Change
Static Load (24 Hr period)	ASTM F970	0.004-inch Residual Compression @ 250 psi 0.011-inch Residual Compression @ 1000 psi	0.030 Inch Residual Compression @ 1,000 psi
Short Term and Residual Indentation (@ 140 lbs)	ASTM F1914	0.005-inch (2.08%) Residual Indentation	-0.030 Inch (9.0%) Residual Indentation
Dimensional Stability and Curling Properties	ASTM F2199	no change	
Mildew Resistance	ASTM G21	Light Mold Growth after 28 days	No Mildew after 28 days
Static Decay	101B/NFPA 99 12-4.1.3.8(f)(3)(i)	Decay Time -5000 Volt Charge 0.25 seconds	