

Mats Inc. Technical Data for Safety-Walk™ 5100

Product Description

Material	Nonwoven continuous vinyl filaments
Backing	Unbacked
Standard Sizes No Edging	3' x 5', 3' x 10', 3' x 20'
Roll Sizes	3' X 50'
Custom Sizes	3' widths by custom lengths to 50'
Size Tolerance	+/- 2% on length and width

Technical Specifications

	Test	Requirement	5100
Product Dimensions			
Overall weight	ISO 8543	In ounces per square yard	191.71 oz/sq yd
Overall thickness	ISO 1776	In inches	3/8"
Safety			
Critical radiant flux	ASTM E648	Class 1: 0.45 w/cm ² or higher	> 1 w/cm ²
Surface flammability	ASTM D2859 CPSC FF 1-70	Test specimen must be greater than 1" in at least 7 of 8 specimens tested	Passes
Coefficient of friction	ASTN D1894	Dry leather: 1.2; dry rubber: 1.1; wet leather: 1.2; wet rubber: 1.1, oiled leather: 1.1, oiled rubber: 1.0	
Performance			
Dielectrical strength	ASTM D149		9.4 kV
Volume resistivity	ASTM D257		6.2 x 10 ¹¹ ohms-cm
Insulation resistance	ASTM D257		2.4 x 10 ¹¹ ohms
Electrostatic propensity	AATCC 134	< 3.5 kV	0.9 kV
Extended use	ASTM D746	Brittle point temperature	-20 °F to 140 °F
Breaking strength	ASTM D1117		35.6 lbs/2"
Fungal growth	ASTM F21		Inhibiting to fungal growth
Chemical resistance		Acid – chrome plating solution, ammonim persulfate, brake fluid, degreaser solutions, dishwashing soap, electroless tin solution, ethyl alcohol, ethylene glycol, ferric chloride, gasoline, glycerine, hexane, lithographic fluid, methyl alcohol, mineral spirits, nickel sulfate, oil – cutting, oil – lubricating, peanut oil, vegetable oil, soap solution, sodium hydroxide, sodium tri-phosphate, water, water (10% salt), water (chlorinated): excellent; acid – organic (pickle juice), chlorinated solvents, hydraulic fluid, isopropyl alcohol, ketones: poor	