

Mats Inc. Technical Data

for 3M™ Nomad™ Entrance Matting 8100

Product Description

Material	Nonwoven continuous vinyl filaments
Backing	Unbacked
Standard Sizes Heat Emboss Short Sides	3' x 5', 4' x 6' Black, Gray, Brown
Standard Sizes No Edging	3' x 20', 4' x 20' Gray only
Roll Sizes	3' X 60', 4' X 60'
Custom Sizes	3' and 4' widths by custom lengths to 60'
Size Tolerance	+/- 2% on length and width

Technical Specifications

	Test	Requirement	8100
Product Dimensions			
Overall weight	ISO 8543	In ounces per square yard	131.54 oz/sq yd
Overall thickness	ISO 1776	In inches	11/16"
Safety			
Flammability	NFPA 253		> 0.7 watts/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
Smoke density	ASTM E662	Specific optical density (corrected): max. 450 in the flaming mode	Pass
Performance			
Electrostatic propensity	AATCC 134	< 3.5 kV	Step: 1 kV; Scuff: 2.13 kV
Dielectric strength	ASTM D149		12 kV
Volume resistivity	ASTM D257		7.2 x 10 ¹¹ ohms-cm
Chemical resistance	AATCC 134	Water, 10% salt water, chlorinated water, tri-sodium phosphate, 5% detergent solution, 24% sulfuric acid, 10% hydrochloric acid, sodium hydroxide, motor oil, transmission fluid; peanut oil, cooking oil, ethyl alcohol, hexane, mineral spirits, gasoline, 25% acetic acid, brake fluid: good; methylene chloride: poor	