

ESDmat.com

Technical Datasheet

ESD Anti Fatigue Floor Mats RoHS & REACH Compliant

ESD Anti Fatigue Floor Mats, also known as ESD Floor Mats, are a rubberized mat with Vinyl & Nitrile construction which makes them 2-3 times more resilient than the ordinary sponge mats. The combination of Vinyl and Nitrile rubber puts an added spring in user steps for added comfort which provides fatigue relief from prolonged standing.

APPLICATIONS: Computer Operators, Electronic assembly and manufacturing, Pharmaceutical Plants, Cleanroom operation, Fiber Optics, Aerospace and Hospitals. To be used in hard surface floor applications.

TYPICAL PHYSICAL PROPERTIES ⁽¹⁾

CONSTRUCTION

A combination of polyvinyl chloride and butadiene-nitrile rubber yields an expanded anti-fatigue product that exhibits the characteristics of better chemical resistance, improved surface durability and greater resilience than traditional vinyl foams.

CHEMICAL RESISTANCE

These mats are resistant to degradation by inorganic acids, organic acids, reducing agents, detergent solutions, alcohols, aliphatic hydrocarbons, mineral oil, amines, and aldehydes.

PHYSICAL PROPERTIES:

COLOR	Gray
EMBOSS PATTERN	Textured
GAUGE /THICKNESS	0.375" ± 10% ; ³ / ₈ "
Density	23lb/ft ³ nominal
TENSILE	100 lb/in ² minimum
ELONGATION	125% minimum
TEAR	20 lb/in minimum
DUROMETER	65 ± 5, Shore OO
FLAMMABILITY	Pass
	Pass, < 1" diameter
ESD PROPERTIES	10 ⁸ - 10 ⁹
SUGGESTED SERVICE TEMPERATURE	-20 °F to +160 °F ⁽²⁾

⁽¹⁾ Specifications are subject to change at any time for a variety of reasons. If you have any questions, please call for the latest update.

⁽²⁾ This suggested range represents the general temperature range for most flexible vinyl products.

Due to the variety of possible end-uses, it is ultimately the responsibility of the customer to determine a product's suitability for a particular application.