



Ensolute®

AFM - ESD

ANTI-FATIGUE AND ELECTROSTATIC DISSIPATIVE FOAM MAT

Ensolute® AFM-ESD is an engineered foam for use in anti-fatigue mats with electrostatic dissipative properties. This mat material is ideal for hospitality or transportation settings or industrial and electronics environments where sensitive equipment is in use.

Anti-Fatigue/Dissipative/Anti-Static

- Built-in static resistance lowers risk of shock or damage to electronic equipment
- Density and firmness designed for prolonged cushioning
- Available with an anti-microbial additive for increased mold resistance

Long-lasting Durability

- The closed-cell, vinyl nitrile rubber blend material is durable and long lasting
- Moisture resistant, chemical resistant, wipes clean
- Tested to withstand repeated impacts without loss of performance or comfort

Customizable

- Uniform surface accepts printing
- Several embossing patterns available
- Edges can be cut or beveled for smooth transitions
- Excellent adhesion to other substrates



Recommended Applications:

- Hospitality
- Industrial / Pharmaceutical
- Aviation / Transportation
- Electronic Assembly Production
- Computer Room / Data Center
- Fiber Optics Manufacturing



Engineered For Success.



ENSOLITE® AFM – ESD FOR ANTI-FATIGUE AND ELECTROSTATIC DISSIPATIVE MAT APPLICATIONS

Ideal for use in computer rooms and workstations with sensitive electronic equipment, laboratories and manufacturing facilities with ignition hazards, or any location where minimizing both static electricity discharge and worker's fatigue associated with standing is required.

- Black, continuous, closed-cell, vinyl nitrile (PVC/NBR) blended rubber
- High density (12 – 18 lb./ft³) (192 – 288 kg/m³)
- Good resistance to chemicals, greases, oils and fats
- Wipes clean easily with conventional detergents
- Meets FMVSS-302 flame requirements at most thicknesses
- Standard roll width(s) = 31" (79cm), 36" (91cm), 38" (97cm)
- Maximum gauge (in) = 0.625" (1.6cm)
- Made in USA



DATA SHEET (Effective 07/1/14)

AFM-ESD Continuous Rolls

Physical Properties	Test Method	Typical Results
Polymer		PVC/NBR
Color		Black
Cell Structure		Closed Cell
Description		Electro-Static Discharge (ESD) Latex and Silicone Free Chemical Resistant
1. RTT (Resistance Top to Top)	ANSI/ESD S7.1-2005	1x10 ⁶ to 3.5x10 ⁷ Ω
2. RTG (Resistance to Ground)	ANSI/ESD S7.1-2005	1x10 ⁶ to 3.5x10 ⁷ Ω
3. 25% Compression Deflection (psi)	ASTM D 1056	6.0 – 12.0 psi (41 – 83 kPa)
4. Density (lb/ft ³)	ASTM D 1056	12.0 to 18.0 lb/ft ³ (192 – 288 kg/m ³)
5. Water Absorption (%)	ASTM D 1056	5 maximum
6. Tensile Strength (psi)	ASTM D 412	100 psi (689 kPa) minimum
7. Elongation (%)	ASTM D 412	75 minimum
8. Flammability (1)	FMVSS302	0 Burn Rate – Pass

(1) Flammability – This item and any corresponding data refer to typical performance in the specific test indicated and should not be construed to imply this material's behavior in other fire conditions.

ALL ARMACELL FACILITIES IN NORTH AMERICA ARE ISO 9001:2000 OR ISO/TS 16949:2002 CERTIFIED



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