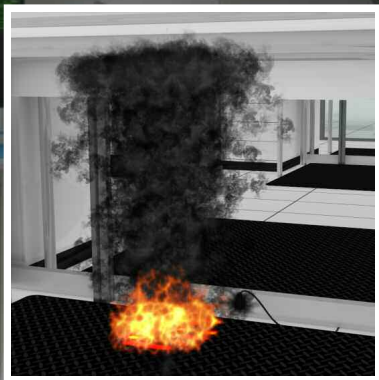


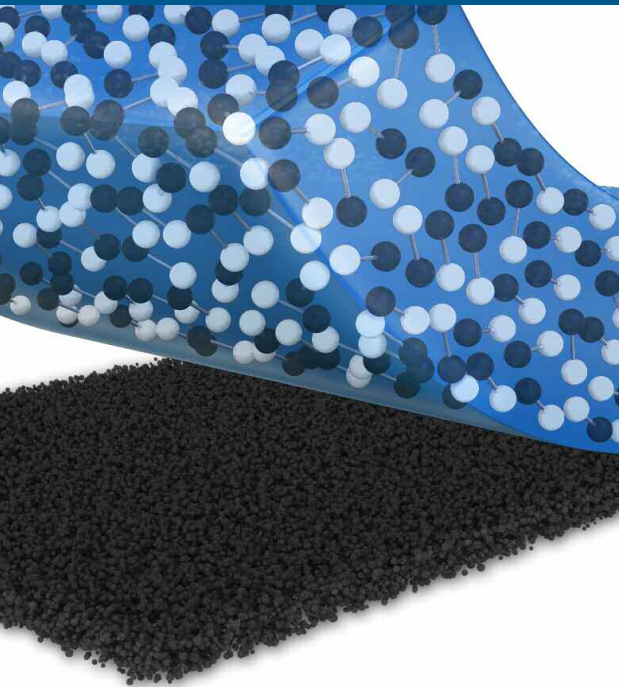
## Tuff Trac<sup>®</sup> ESD & Conductive Matting

with Lo-CHAR low smoke & flame retardant chemistry

**LO-CHAR**<sup>™</sup>  
LOW FLAME/LOW SMOKE



Fire is Bad...  
Smoke is Worse.



Tuff Trac<sup>®</sup> Dual layer design bonds migratory anti-static ESD to a Conductive Polymer

**NEW Tuff Trac<sup>®</sup> ESD with Lo-CHAR<sup>™</sup> incorporates both low smoke and flame retardant chemistry to provide critical safety for products.**

Biltrite uses the same Lo-CHAR<sup>™</sup> chemistry in Tuff Trac<sup>®</sup> electrical insulation matting for the US Navy aboard Naval vessels where fire and smoke would be particularly deadly.

Tuff Trac<sup>®</sup> Dual Layer ESD matting with Lo-CHAR<sup>™</sup> for work surfaces and flooring, meets all of the requirements for a monitored environment without being humidity dependent. Its homogeneous construction permits continuous protection at the optimal rating of  $10^6$  -  $10^9$  for the life of the mat. It cannot be worn away or rendered ineffective by scuffs, scratches or other surface abrasion.

In flame tests performed in our laboratory, no other rubber or vinyl matting from other sources was able to meet the four minute time standard before being fully engulfed in flame. Some rubber products were totally engulfed in less than 60 seconds.

**Watch the video at [www.biltrite.com/lochar](http://www.biltrite.com/lochar)**

See for yourself as Tuff Trac® not only passes our 4 minute test but completely self-extinguishes in just under 7 minutes  
Live video at [biltrite.com/lochar](http://biltrite.com/lochar)



Tuff Trac® ESD Vinyl with Lo-CHAR™ at 1minute 21 seconds



ESD Rubber at 1minute 21 seconds



Three Layer ESD Vinyl 1minute 21 seconds

**Tuff Trac® ESD PVC TABLE MAT with Lo-CHAR™**

<b>APPLICATION:</b>	<b>ESD</b>	
Embossing	Face side – Stipple/Back Side – Smooth	
Thickness	.060"	
Polymer	PVC Homogenous	
Standard Colors	Blue/Black, Gray/Black and Green/Black	
<b>TEST DESCRIPTION</b>	<b>TEST METHOD</b>	<b>RESULT</b>
Elongation	ASTM D412	200% (min.)
Tensile Strength	ASTM D412	1000 PSI (min.)
Die "C" Tear (ppi)	ASTM D412	175 (min.)
<b>ELECTRICAL PROPERTIES:</b>		
ESD Electrical Testing	ANSI/ESD S4.1-2005 <sup>1</sup> (Stipple Face Side)	RTG = 10E <sup>6</sup> – 10E <sup>8</sup>
	ANSI/ESD S4.1-2005 (Back Side)	RTT = <1.0 x 10E <sup>6</sup>
Ultraviolet Light Stability	ASTM G151	No color change
<b>FLAMMABILITY:</b>		
Critical Radiant Flux	ASTM E648 (.45 watts/sq cm)	1.02 avg. (3 tests)
Smoke Density		
Flamming	ASTM E662 (< 450)	307
Non-Flamming	ASTM E662 (< 450)	340
<b>HEALTH &amp; SAFETY:</b>		
REACH & RoHS	Compliant	

Rev. Feb 2015

Made in the USA by The Biltrite Corporation, a leading US manufacturer of engineered thermoplastic products including: building materials, specialty flooring and matting, noise attenuation, gasketing and other products with complex technical requirements.  
**For more information and samples, contact your local distributor or a Biltrite® representative at (800) 877-8775.**

Distributed by:

