

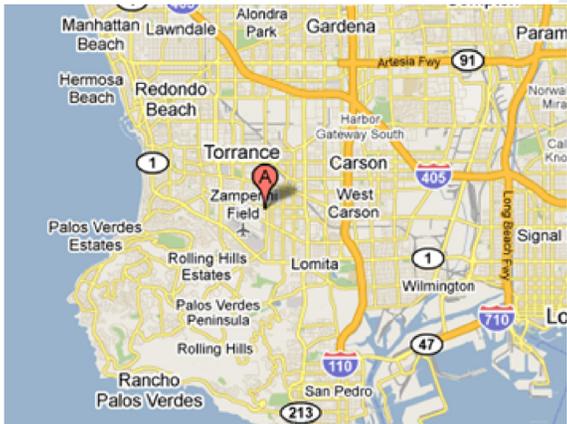


InnoSense LLC is a technology firm serving the aerospace, defense, energy, and healthcare markets. We develop cutting edge innovations in chemical and biological sensing, and nanomaterial technologies. Learn more about our latest innovations at www.innosense.us



InnoSense LLC is about 15 miles from Los Angeles International Airport. We have teaming arrangements with large and small companies to transition our technologies to commercially viable products.

Located in Southern California



For more information, please contact us at marketing@innosense.us

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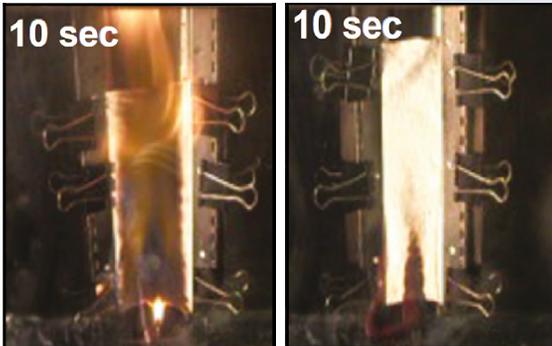
FIREPHOB™
**PHOSPHOROUS-BASED
FLAME RETARDANT
MATERIALS AND
TREATMENTS**

PHOSPHOROUS-BASED FLAME RETARDANTS - US PATENT PENDING

InnoSense LLC has developed a family of versatile, non-halogenated flame retardant (FR) materials, FirePhob.™ They can be permanently applied to fabrics/textiles, plastics and metals for durable protection. Unlike halogenated FR materials, FirePhob™ generated no toxic or corrosive fumes.

Without FirePhob™

With FirePhob™

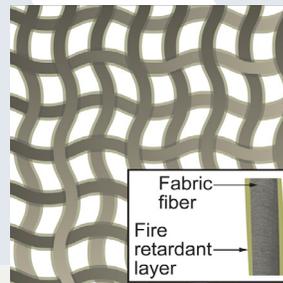


After 25 washings, FirePhob™ effectively protects fabrics from direct flame.

- The mechanical properties of the treated textiles remain unaffected. Treatments do not leach out and endure over time.
- FirePhob™ is applied using environmentally friendly processes.

TECHNOLOGICAL BENEFITS

- Forms a flame retarding glassy layer when exposed to fire
- Phosphorous-based compounds eliminate toxic and corrosive fumes
- Offers high thermal and thermo-oxidative stability
- Processed from solution in non-toxic solvents
- Can be applied as a filler or coating
- Available in polymer or small molecule form to meet the needs of any application
- Applicable to cotton, polyester, spandex, nylon-cotton and fabrics of any weave



FirePhob™ meets the rigors of aerospace and battlefield applications.



Flame retardant coatings for commercial aviation

POTENTIAL APPLICATIONS

- Flame retardant clothing and upholstery
- Protective fire wear
- Specialty coatings for:
 - Exterior wing edges and interior thermoformed panels on aircraft
 - Missile defense rockets
 - Anywhere a fire protective coating/treatment is needed



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