



# IMPORTANT INFORMATION ABOUT FIRE RETARDANT POLYETHYLENE

**Americover's® Fire Retardant polyethylene sheeting products** are tested against various Fire Retardant standards using independent certified testing facilities. Each production run is then produced using the same formulation as that used to produce the material originally supplied for testing, and certified to pass the given standard(s). Fire retardant plastic sheeting products are not "fire proof." In fact, fire proof is a tough thing to define, since virtually any material will burn at some temperature. Fire retardant plastic sheeting products may burn, especially under certain circumstances, yet still pass some of the most stringent FR standards used in the building and aeronautics industry today.

**Regular (non fire retardant) polyethylene sheeting products** burn very hot, and very quickly and can significantly add a fuel source to a fire. When our plastic sheeting is formulated to be fire retardant, the additives used are designed to interrupt the natural combustion process. The idea is to create fire retardant sheeting that loses its ability to contribute as a significant fuel source for a fire. Even in the cases where one may be able to ignite the film and watch it burn, the combustion rate and heat range will be significantly less than similar polyethylene sheeting without FR additives under the same conditions.

**Limits exist** as to the percentage of FR we can successfully add to any polyethylene formulation. Our FR additives are part of the film, not something that is applied topically onto the film after production. Also, the FR additive will leach out of the film over time. That is why **we do not warranty the FR property for film that is over 1 year old.**

Occasionally, people try to ignite fire retardant products in the field using methods that are not scientific in nature, and sometimes they burn more than the person feels is ok. **NFPA 701 testing** is conducted under specific conditions in very controlled environments within certified laboratories (for maximum quality assurance.) Films are generally conditioned at a certain relative humidity and temperature for a designated period of time, for example. Flames are applied at exact heights for specified periods of time. The technicians take careful measurements of charred areas and afterburn, and observation of flaming drips, smoke developed, flame spread, and many other items depending on the test criteria. All circumstances surrounding the test are controlled, therefore all materials are fairly compared.

The NFPA 701 2004 Test 1 Standard is used for many industries, and the results are widely accepted by fire marshals. Americover® Inc recommends all customers contact your local fire authorities for the appropriate FR standards for your application, and for your Fire Marshal's approval of any products you plan to use.

Please contact Americover® Inc. with any questions or requests.



#### **FIRE RETARDANT BEARACADE™**

Fire Retardant BearAcade™ is a 6 mil self-adhesive film that can protect surfaces from liquid, dust and debris. It is quick and easy to install and often used to create a sealed environment such as abatement containments, but has also been beneficial during demolition to keep glass from shattering. BearAcade™ adheres to a variety of surfaces to create the ultimate temporary barrier that withstands negative air pressure and has anti-slip features.



#### **FIRE RETARDANT HEAT SHRINK WRAP**

Specially formulated to shrink in all directions with the right amount of heat applied. This film creates a skin-like barrier around any object it covers. HSW is used to wrap scaffolding, cover buildings, enclose bridges and ships, as well as protect equipment for up to two years in fully exposed conditions.



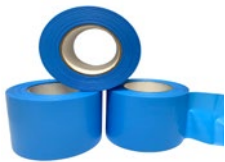
#### **225FR**

A 12 mil thick white flame retardant, polyethylene coated, waterproof cloth tape with an exceptionally aggressive adhesive that bonds to a variety of substrates including steel and plastic. This tape conforms to FAA specification FAR 25.853(a), McDonnell-Douglas Spec DMS 1986D, Lockheed spec LCP-86-1226-A, and Boeing spec D 6-8099. 225FR tape is available in widths of 2" or 3" by 180ft long.



#### **268FR**

268FR Tape is an 8.5 mil thick, black flame retardant, polyolefin coated, waterproof cloth tape with an aggressive adhesive suitable for a variety of substrates including steel and plastic. It is also non-corrosive to copper. This tape is easy to tear and meets ASTM D 568- ISO 3795. 268FR tape is available in roll sizes of 2" x 100'.



#### **377 FRPE**

377 FRPE Tape is a 7.2 mils thick, OSHA blue fire retardant, multipurpose, polyethylene film tape with high tack rubber adhesive that can be repositioned and offers a clean removal from many surfaces. This tape has serrated edges so it's easy to tear and meets NFPA 701 flame retardant test standards. 377 FRPE tape is sold in individual rolls of 4" x 180'.



#### **CUSTOMIZED FIRE RETARDANT OPTIONS**

Americover offers a variety of fire retardant plastic sheeting fabrication options. If you have a custom fire retardant sheeting need such as custom fire retardant bags or pallet covers, we encourage you to reach out to our knowledgeable experts to source a product that fits your specifications. Custom fabrication options also include antistatic additives to prevent dirt, dust and debris from sticking to the poly.