

MATERIALS

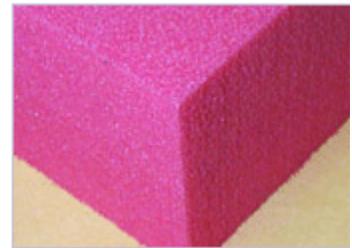
Polyethylene Foam

Polyethylene foam is a tough, resilient, lightweight, moisture and chemical resistant closed-cell material that is usable across a wide range of applications and temperatures. We commonly use polyethylene foam for cushion packaging and dunnage applications (blocking and bracing) as well as numerous other applications. FDI works with the following PE providers:



Cross Linked Polyethylene Foam

Cross linked Polyethylene foam has many of the same qualities as non-cross linked polyethylene foam, however, it also has the ability to protect class "A" surfaces. Other common applications of cross linked polyethylene are medical case inserts and compression molded and thermoformed parts. Our cross linked polyethylene foam providers are:



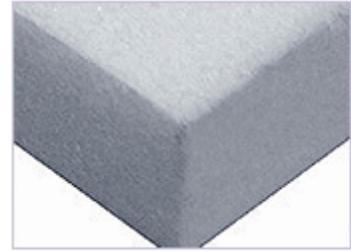
Polyurethane Foam

Polyurethane foam is a light, inexpensive and durable foam with many applications. Foam-In-Place polyurethane packing is designed for single use - one way cushion packing; it's inexpensive and quick. Convoluted (egg crate) foam, gasketing, filters, sponges and sound dampening (acoustical foam) are all examples of product made from polyurethane foam. Our manufacturers of polyurethane foams include:



Polypropylene Foam

Polypropylene foam is a tough, resilient, and lightweight closed cell material that is moisture and chemical resistant and can be used across a wide range of temperatures. We commonly use Polypropylene for cushion packaging, and dunnage applications (blocking and bracing) as well as numerous other applications. Our manufacturer of polypropylene foam is:



RustShield™:

RustShield™ is an exciting new product for protecting ferrous and other metal items from corrosion. We have added VCI (Volatile Corrosion Inhibitor) to cross-linked polyethylene foam. This product will be produced domestically and will be available either as sheets or finished parts.

How VCI works:

As shown by the sketch the VCI volatilizes from the foam carrier and coats the surface of the metal. This forms a protective barrier preventing moisture, salt, dirt, oxygen and other corrosion causing materials from depositing directly onto the metal. The VCI molecules passivates the charged surface and creates a barrier to a depth of 3 to 5 molecules.

Air tight packing is not required

Before and after use, simply store objects in or on the foam surface of your container. The protective layer begins to dissipate from the foam after the container is closed. When its time to reuse the object, the metal is clean and corrosion-free.