CHEMICAL RESISTANCE

Nomaco Insulation distributes both elastomeric and polyolefin based closed cell flexible foam insulation materials. Both products exhibit excellent chemical resistance to a wide range of chemicals. Because elastomeric (ABS, NBR or Buna-n rubber) and polyolefin (LDPE) based products are chemically very different, it is often possible to select the product that has the best chemical resistance for a specific application. Where neither product will provide the required chemical resistance, a field or factory-applied jacket or cladding can be used.

An excellent source for chemical resistance information is the Cole-Parmer website: www.coleparmer.com/techinfo/chemcomp.asp. On this website, under "material" select Buna-n for elastomeric insulation or LDPE for polyolefin (polyethylene) insulation. Under "chemical" select all or pick out a specific chemical from the list and click the "submit" button on the middle right side of the page. This site uses a compatibility grading system from A to D. Ratings are based on a 48 hour exposure at 72°F and 120°F. The grading system is:

A – Excellent
B – Good. Minor effect. Slight corrosion or discoloration.
C – Fair. Moderate effect. Not recommended for continuous use. Softening, loss of strength, swelling may occur.
D – Severe effect. Not recommended for **ANY** use.

This site can also provide chemical compatibility information for aluminum, hypalon, PVC and stainless steel which are often used as jacketing materials. Just select any of these options under the "materials" menu.