

TyrFil[®]

LF (Lite Foam)

Introducing TyrFil LF™ – A Lightweight Tire Fill

Pathway Polymers is proud to offer our TyrFil LF™. Our tire fill is a pure polyurethane foam that was originally developed in a joint effort between Pathway Polymers and Textile Rubber & Chemical Company in test labs over 5 years ago. But more importantly it has now been field proven in real world use by customers all over the United States, Canada and Mexico.

TyrFil LF™ has been designed for use in off-road, slow-moving vehicles, which may be operating in rugged environments such as construction and demolition sites or where there may be nails, pieces of metal, and/or thorns that can cause tire punctures and result in tire flats and downtime. Our new lightweight tire fill can be used on construction equipment, aerial boom and scissor lifts, backhoes, bobcats and all-terrain forklifts just like the heavy oil based poly tire fills. But now, because our new lightweight foam fill weighs only about one-third that of the heavy fills we can offer tire flatproofing on equipment where the heavy fills added too much weight and may have caused ride problems. We can now flatproof tires on lawn and garden equipment small industrial and construction equipment, golf carts, handtrucks, bikes wheelbarrows, and mowers.

Our formula utilizes an isocyanate (the A side tote) and a polyol (the B side tote) but it contains no petroleum oils which makes this new product environmentally safer than the heavy oil based tire fills. The A and B side chemicals are combined in our patented tire foam fill machine and then pumped into the tire as a liquid through the valve stem hole filling the tire cavity approximately one-third full. The liquid then foams up to fill the entire cavity. The foam cures in 24 hours to a seat cushion-like core and the foam filled tires are now flatproofed even when punctured by nails, spikes, metal, slag and thorns. Due to the fact that the foam is filled with millions of small air bubbles it is lighter than the solid elastomer tire fills and the foam filled tires ride almost like air filled tires. Maybe most importantly the UI foam fill machine can fill a 14.00 x 24 tire in only about 3 minutes!

TyrFil LF™ is not recommended in equipment that runs over 25 mph. This has to do with the way the fill itself works and is a reflection of the fact that because of its ingredients, our fill will act as an insulator and will absorb heat until the fill melts. It should be noted that TyrFil LF™ is intended for use in most normal operating temperatures. Our fill also can be used in freezing conditions to temperatures even below 0 degrees F.

TyrFil LF™ provides trouble free tires by eliminating costly downtime and production losses that no one can afford using an environmentally friendly product.

