

## THE **BILTRITE** CORPORATION *COMPANY PROFILE*

Founded in 1908, Biltrite has 100 years of experience manufacturing a wide variety of rubber and vinyl products for commercial, industrial and consumer applications all over the world. Whether it's making shoe soles or gaskets or commercial flooring, we have a long history as an industry leader

Today, the Biltrite Corporation specializes in the design, development and manufacture of thermoplastic building products, gasketing material, specialty flooring and matting. Our long history in rubber manufacturing has led to unique formulations in thermoplastics — and invaluable experience providing custom product solutions for OEM's, fabricators and distributors.

### **Specialty Flooring**

Our *specialty flooring and matting* product line ranges from industrial floor runners to athletic surfaces used in field houses to safety flooring used in commercial kitchens. We apply years of experience to address the critical application requirements and work closely with our customers to guide our chemists on the right solution. Wherever they are used, these products provide surface protection, slip resistance and comfort.

### **Manufacturing**

At the Biltrite Corporation, we use the unique manufacturing equipment from our years in rubber manufacturing. For instance, we use a multistage Banbury compounding operation to mix resins, liquids or additives into homogenized formulations. The formulation is fed to a two-roll mixing station to further blend, shear and combine the materials. We then refine the formulation mixture with a strainer extruder and eventually a secondary extruder to form the material into a uniform sheet. From the final extrusion, the material is gravity-fed through a calendar station and embossing rolls. Our manufacturing process continues with water quenching, slitting and delivery of the sheet (or rolls) to the final packaging process.

Why do we use inline compounding? Because it creates formulations with homogenized material blending — as opposed to simply dropping additives into a short mixing cycle. The key is that additives are linked to other polymers at the molecular level to ensure that properties continue throughout the product's life.

Our research and development group develops unique products with the best polymer combinations to meet the exact fit-for-use specifications of our customers.

### **Thermoplastic Products and Solutions**

51 Sawyer Road, Waltham, MA 02453

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## THERMOPLASTICS DIVISION

Our polymer chemists custom compound solutions using PVC, TPO, TPR, TPV and other engineered resins. Because we know the world of polymer solutions is limitless, we always reach out to our valued suppliers to turn an opportunity into a success. In some instances, we combine additives to enhance the polymer performance to resist chemical attack, UV degradation, oxidation, microbial growth or simply to provide protection against the effects of normal weathering.

Providing solutions doesn't mean reaching for off-the-shelf products. It demands innovative new ideas, approaches and techniques. That's why at Biltrite our formula for success is simply this: Innovation = Solutions. Our research and development team works with an international network of suppliers who keep us up to date on technological advances and market shifts. Our compounding expertise and unique manufacturing capabilities then convert ideas into product solutions.

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