

Micronized Rubber™

Saving Energy and Green Enhancements

Application

- Acrylic-based coating systems (roof coatings, primers, sealants, caulks)
- Cementitious grouts and mortars
- Asphaltic cements, chip seals, slurries
- Asphaltic roof coatings, sealants, shingles, underlayments, water barrier systems
- Polyurethane, polyurea and hybrid elastomeric membranes, potting applications
- Polyurethane, polyurea and hybrid spray foams, open and closed cell foams
- Polypropylene, Polyethylene and Nylon compounds
- Sporting systems

Feature and Benefits

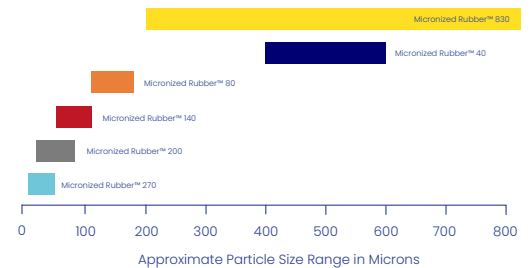
Micronized Rubber™ are comprised of cured natural rubber, styrene-butadiene (SBR), and carbon black (30%). These are 99.5% metal and fiber-free. These products are chemically resistant to polar solvents, most moderate chemicals wet or dry, organic acids, alcohols, ketones, and aldehydes. These products are generally attacked by mineral spirits, aromatic 100, naphtha, ozone, strong acids, fats, oils, greases, and most hydrocarbons. At temperatures above 200 °C (392 °F) thermal degradation occurs quickly producing an obtrusive odor.

Description

Micronized Rubber™ series are black, free flowing micronized rubber powders that easily disperse into a multitude of systems and applications (e.g., adhesives, asphalt, coatings, plastic resins, sealants). These products improve performance, such as water resistance, energy savings and flexibility and provide significant cost savings over virgin raw materials.

Micronized Rubber™ are "Green" material as they are made from end-of-life tires.

Performance Highlights



SUSTAINABILITY/ENVIRONMENTAL BENEFITS

Waste. Eliminates waste, keeping tires and other post-industrial rubber byproducts out of landfills (Approx. 300 M tires are discarded every year in the U.S., and over 1B worldwide (sources: RMA & World Business Council for Sustainable Development)).

Oil. Every pound of Lehigh's Micronized Rubber Powder saves oil vs. use of synthetic polymers.

Energy. Every pound of Lehigh's Micronized Rubber Powder uses only 1 kWh of energy (1/10 of traditional materials. Includes upstream processing and transportation).

CO₂. Every pound of Micronized Rubber Powder releases only 1.5 lbs CO₂ (Nearly half of traditional materials as well as coal, paper, and plastics).

