

TyrFil™: Driving Sustainability in the OTR Tire Industry

Tires are viewed as one of the most problematic sources of waste because of the alarming amount of fossil fuels and other raw materials used to produce them. Environmentally sound disposal of scrap tires and the sustainable use of natural resources continue to be top priorities for tire manufacturers, distributors and retailers today.

290 Million

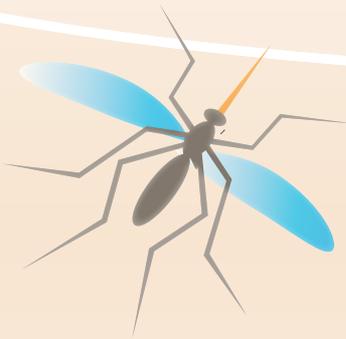
tires are generated by the U.S. annually*

One Billion

used tires disposed of globally every year*

4 Billion

used tires are already in global landfills*



Health Concerns

Tires in landfills are an ideal breeding ground for mosquitos carrying potentially fatal diseases like the Zika and West Nile viruses, dengue fever and malaria.



Safety Concerns

Tires are flammable and the resulting fires are difficult and costly to extinguish. The cost of firefighting and cleanup for the Westley Tire Fire in California: \$20 million.



Public Responsibility

Tire industry suppliers, distributors and dealers must commit and continue to develop innovative and cost-effective solutions to reduce the effects the industry has on our health and the environment.

Reduce



- TyrFil significantly reduces the usage of oil, petrochemicals, toxic metals, and other environmentally harmful compounds.
- TyrFil tires last 20-30% longer than air-filled or solid tires requiring fewer overall tires.



Reuse

- Existing fill can be reused.
- TyrFil tires can be retreaded up to 4 times with no decrease in performance.

TyrFil has prevented
39,000,000
tires from reaching landfills

Recycle



- Using our innovative, patented system, tires can be filled with up to 50% recycled materials.
- Since 2005, Carlisle TyrFil has recycled more than 30 million pounds of tire fill material.

TyrFil
A CARLISLE BRAND

TyrFil Sustainable Advantages

Sustainable products must also perform day in and day out with users and the businesses they support. TyrFil does it all:



Prevents all flats even in the harshest conditions.



Eliminates downtime associated with flats.



Reduces maintenance costs and equipment failures.



Reduces shock and operator fatigue.



TyrFil: 100% inert material, does not leach out and is environmentally safe.

Our Commitment To Sustainable Improvement

Carlisle TyrFil is committed to be the most innovative global provider of sustainable chemical systems that also enables a profitable link between our people, partners, products, and the planet.



One Tote, One Tree

We realize that there is only so much we can accomplish on our own. By partnering with American Forests and our customers, we've established the "One Tote, One Tree" program that plants a new tree for every tote of product purchased by our customers, resulting in over 195,000 new trees planted so far—all while helping to eliminate the use of over 12,000 barrels of petrochemicals.



TyrFil Recycling Technology

TyrFil Recycling Technology significantly reduces the environmental impact of traditional Tire Flatproofing by: recycling and using up to 65% post-consumer tire fill, keeping used tire fill out of landfills and eliminating landfill disposal fees and eliminating up to 65% of the petrochemicals (including oil) normally required to fill an Off-the-Road (OTR) tire.

* World Business Council for Sustainable Development
<http://wbcspublications.org/project/tire-industry-project-10-year-progress-report-2005-2015/>

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