

towelie

the sustainable sorbent

The First Biodegradable Oil Cleanup Solution

An E Innovate, LLC Product

Product Description:

towelie is the first biodegradable oil sorbent technology. Other oil sorbent technologies are made from polypropylene, which release microplastics into the environment. towelie is an oil sorbent that is functional as a wipe, mat, and a floating sorbent. towelie was created by engineers and outdoorsmen in the oil and gas industry to reduce the environmental impact of waste generated in oil exploration, production and transportation as well as in the automotive industry.



Product Specifications:

Size: 15" x 19" (Custom Sizes Available)

Color: Off-white

Texture: Double-sided, non-woven quilting for durability and retention

Weight:

- 65-70 grams

Absorbent Capacity:

- Up to 12 times per unit weight
- Up to 28 oz. of crude oil

Absorbent Info:

- Nontoxic
- 100% natural raw materials
- Oil absorbency (Per ASTM (F 726))

Absorbent Type:

- Unprocessed natural fibers
- Absorbs up to 12 times its own weight
- In most cases sorbent biodegrades within one year in landfills

Material Characteristics:

- Water repellent characteristics (hydrophobic)
- Remains intact even at full capacity
- Quilted dual-sided lining grips hydrocarbons for wiping applications

Pricing: \$1.00/unit (delivered in 100 packs)
distributor/volume pricing available

Environmental:

- Ecologically and environmentally friendly
- Natural and biodegradable

Capabilities:

- Unrefined petroleum
- Refined petroleum (Engine oil/gasoline)
- Petrochemicals
- Cooking Oil & Grease
- Other hydrocarbons

Applications:

- Everyday spills
- Wiping down equipment
- Leaky equipment
- Effective on land and water

Industries:

- Oil & gas production, midstream, and downstream
- Marine
- Maintenance
- Industrial/Manufacturing
- Automotive
- Construction
- Mining

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towelie has been tested under ASTM standards, and in many cases outperforms its synthetic competitors.

TECHNICAL SPECIFICATIONS

- 1) Oil Absorption (ASTM F726-17): **10.33 g/g**
- 2) Weight (gm/sq. m): **423** (avg. of 10 repeats)
- 3) Thickness ASTM D5729-97: **3.82 mm** (avg. of 10 repeats)
- 4) Tenacity
 - a) Max Breaking Load (Newtons) ASTM D5035: **111.15 N**
 - b) Extension at Break (mm) ASTM D5035: **68.8 mm**



Oil Absorption Capacity Comparison - towelie vs Synthetic Competitors (avg. of 15 repeats)

