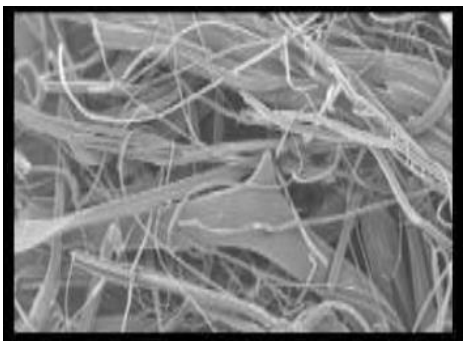
TECHNICAL DATA SHEET

Absorbent pads for petroleum and petroleum derivatives

Mantas Brasil absorbent pads are produced using Brazilian fiber-interlacing technology, a process in which polypropylene is heated and ejected through a microperforated die. This procedure overlaps the microfilaments to form a pad with high adsorption capacity, using virgin raw material: 100% polypropylene. The product absorbs hydrocarbons such as oils, greases, fuels (diesel, gasoline, kerosene), lubricants and petroleum derivatives. The synthetic polymer interacts physically with oils and petroleum derivatives without undergoing chemical reactions during absorption. It works through selective physical interaction, ensuring high efficiency in hydrocarbon absorption while repelling water.

The adjacent micrograph shows a magnification of 50x. Our pads have a rough surface morphology, a fundamental feature: the more irregular a sorbent's surface, the greater its surface area, resulting in more active sites for oil deposition and retention.



Technical clarification

Our absorbent pads meet:

- ISO 14001 - Environmental emergency preparedness and response (clause 4.4.7 of ISO 14001, entitled "Emergency preparedness and response").
- Federal Law No. 9.605/98 - Environmental Crimes.
- Regulatory Standard NR-20 - Occupational Safety and Health with Flammables and Fuels.
- ASTM F716 - Standard Test Methods for Sorbent Performance of Absorbents.
- ASTM F726 - Standard Test Methods for Sorbent Performance of Adsorbents.
- CT BIO No. 095/2001 - Technical criteria for the acquisition of oil-adsorbent products.

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Absorbent pad codes

Pad - 9 mm (650 g/m²)

Code	Description	Absorption per unit	Unit weight	Units per box
309	40 x 50 x 0,9 cm	1.950 ml	130 g	50

Pad - 4 mm (350 g/m²)

Code	Description	Absorption per unit	Unit weight	Units per box
304	40 x 50 x 0,4 cm	1.050 ml	70 g	100
314	40 x 50 x 0,4 cm	1.050 ml	70 g	50

Pad - 3 mm (270 g/m²)

Code	Description	Absorption per unit	Unit weight	Units per box
303	40 x 50 x 0,3 cm	810 ml	54 g	100

Pad - 2 mm (180 g/m²)

Code	Description	Absorption per unit	Unit weight	Units per box
302	40 x 50 x 0,2 cm	540 ml	36 g	100
312	40 x 50 x 0,2 cm	540 ml	36 g	50

Dimensions, units and numerical notation are retained as stated in the source sheet.

Technical specifications

Composition: 100% hydrophobic polypropylene (repels water; absorbs only oils and petroleum derivatives).

Color: White.

Hydrophobic properties: Repels water; ideal for use in aquatic environments or areas exposed to moisture.

Control and disposal measures

Treatment and disposal must be assessed specifically for each environment, and federal, state and municipal legislation must be consulted, including Law No. 12.305 of 02 August 2010 (National Solid Waste Policy) and Law No. 7.802 of 11 July 1989.

Chemical properties

Composition: POLYPROPYLENE (PP) - Polypropylene fiber.

Odor: Odorless.

Solubility: Insoluble in water. Water-repellent.

Flash point: The product does not spread flames.

Buoyancy: Maintained even when saturated.

Toxicological information

Toxicity: No potential for toxicity.

Respiratory or skin sensitization: The product does not cause respiratory or skin sensitization.

Tax classification

5402.34.00

Use

- Ports, terminals, marinas, coastal areas and vessels.
- Repair shops, fuel stations, mechanical and petroleum industries.
- Containment of leaks on floors, machinery and tanks.
- Application to surfaces with oil floating on water (rivers, lakes, sea).
- May be applied directly to spills or used as a protective lining.

Storage

Keep in a clean, dry place in the original packaging. The storage area must be ventilated, dry and away from sunlight.

Service life

Varies according to the conditions of use and storage.

Shelf life

Indefinite.