Reliable solution
for all your rubber needs

PinnovaX™

Microfibre Cloths

PinnovaX 10010

YOUR PARTNER IN
RUBBER CARE

WHEN PERFECTION
MATTERS

POLYFUSION INNOVATION PRIVATE LIMITED
Shop no 5, Jimmy Tower, Sector 18, Plot no 19,20 &21,
Koparkhairane, Navi Mumbai, 400709, Maharashtra, INDIA
cell +91 7678022334
marketing@polyfusioninnovation.com
www.polyfusioninnovation.com

Microfibre cloths

The Products :

PinnovaX Mould Microfibre cloth is designed for effective mould cleaning. It provides a sustainable solution for safeguarding valuable assets and ensuring high-quality rubber production.

Product Claims:

PinnovaX Microfiber cloths are highly durable and maintain effectiveness through multiple uses, offering long-term cost savings. They reduce the need for disposable wipes and harmful chemicals, promoting environmental sustainability.

The Difference:

Superior surface cleaning power	Non Abrasive	Superior cleaning power	Long lasting	Lint Free	Easy to use

Using Guideline :

Apply cleanser/ mould release agent / Rubber mould shiner and spread properly on the entire surface. Gently remove excess material / dirt with a PinnovaX microfibre cloth.

Drawbacks of Using Improper Cloths

1. Damage to Surfaces

Moulds are typically crafted from polished metals to ensure smooth operations and precise shaping of rubber products. Using coarse or unsuitable cloths during cleaning can lead to scratches and abrasions on these surfaces. Over time, such damage may result in irregular textures or inaccuracies in the final products.

2. Contamination Risks

Low-quality cloths often leave behind lint or fibres, which can adhere to the surface of moulds or rubber parts. This contamination may compromise the quality of the products, especially in industries like automotive or medical manufacturing, where cleanliness is paramount.

3. Degradation of Protective Layers

Many moulds are coated with specialized protective films to prolong their lifespan and enhance their performance. Inappropriate cleaning materials can strip away these coatings, accelerating wear and increasing

4. Impact on Cleaning Efficiency

Cloths not designed for industrial cleaning often fail to effectively remove residues, such as dirt or curing agents, from the mould surface. This could lead to substandard cleaning, negatively impacting subsequent processes like painting or surface coating.

Subpar cloths often demand more time and manual effort to achieve acceptable cleaning results. This lowers productivity and adds to labour expenses, especially in high-volume production settings.

5. Implications for Sustainability

Cloths made from inferior materials usually wear out quickly, resulting in frequent replacements. This generates more waste and works against sustainability objectives.

6.Greater Reliance on Harsh Chemicals

When improper cloths fail to clean effectively, industries often resort to stronger cleaning agents or abrasive methods, which can be harmful to both workers and the environment.

To read technical articles, understand the latest trend in rubber technology and much more, Scan the QR code or Visit www.polytechguru.com

The Importance of Microfiber Cloths for Mould and Rubber Product Cleaning

1. Exceptional Cleaning Efficiency

Microfiber cloths are made of ultra-fine synthetic fibers, typically a blend of polyester and polyamide, which are much finer than human hair. These microfibers create a vast surface area, allowing them to capture and hold dirt, grease, dust, and residues effectively.

2. Gentle on Delicate Surfaces

Rubber moulds often have polished or textured surfaces to ensure smooth production. Using abrasive cleaning materials can damage these surfaces, leading to defects in the final product. Microfiber cloths, being non-abrasive, provide a gentle cleaning option that ensures, surfaces remain intact without scratches or damage and protective coatings on moulds are preserved, extending their operational life.

3. Superior Absorbency

Microfiber cloths can absorb several times their weight in water or solvents due to the high density of fibres. This property ensures effective cleaning of oils, greases, and curing agents from mould surfaces. Moreover, the absorbency helps in quickly drying the moulds after cleaning, minimizing downtime and enhancing productivity.

4. Lint-Free Cleaning

Traditional cleaning cloths, especially those made of natural fibers like cotton, tend to leave behind lint or fibres. In contrast, microfiber cloths are designed to be lint-free, ensuring that no debris is left on the mould or rubber product. This is particularly beneficial for high-precision industries, where cleanliness is non-negotiable and preventing contamination in the production process.

5. Chemical-Free Cleaning

Microfiber cloths can clean effectively using only water or mild cleaning agents. The electrostatic properties of the fibres allow them to attract and hold particles without the need for harsh chemicals. This offers multiple advantages as reduces the risk of chemical damage to the mould or rubber product, provides a safer working environment for operators, aligns with sustainability goals by minimizing chemical usage.

6. Durability and Cost-Effectiveness

A key advantage of microfiber cloths is their durability. They can withstand multiple washing and reuse cycles without losing their cleaning efficiency, making them a cost-effective option for long-term use. Additionally, they reduce the need for disposable cleaning materials and their long lifespan makes them more economical in high-volume production environments.

7. Contribution to Sustainability

Microfiber cloths align with the global push towards eco-friendly manufacturing practices. Their reusability reduces waste, and their ability to clean with minimal chemicals and water supports sustainable resource usage. For industries focused on green initiatives, such as those embracing eco-friendly rubber formulations, this makes microfiber an indispensable cleaning tool.

Visit PinnovaX to request samples and discover new ingredients, Scan the QR code or Visit www.polyfusioninnovation.com