

*Reliable solution
for all your rubber needs*



*Rubber Surface
protector & shiner*

PinnovaX 10003



**YOUR PARTNER IN
RUBBER CARE**



**WHEN PERFECTION
MATTERS**

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Rubber Surface protector & shiner



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The Products :

"PinnovaX Rubber Surface Protector and Shiner (RSPS) is specially designed for the rubber industry, addressing the need for protecting rubber products during storage and to give improved aesthetics look of it.



Product Claims:



- RSPS delivers an array of benefits, including enhanced aesthetics, UV protection, moisture repellence, oxidation prevention.
- Reduced blooming, and the maintenance of protective agents within the rubber matrix.
- These features not only extend the longevity and performance of rubber materials but also contribute to sustainability by reducing the need for frequent replacements.
- It also serves as a replacement for various protective products, including talc, used in rubber protection

The Difference:

Improve
aesthetics

Surface
protector

Reduce
Blooming

Oxidation
protection

Moisture
Resistance

Easy to
use

Using Guideline :

Take one part PinnovaX surface protector & shiner and mix with three parts water in a spray bottle. Shake well and spray the mixture evenly onto the mould cavity. Use a microfiber cloth to clean and remove any excess release agent. Now you're ready with improved aesthetics and protected product.



While talcum powder has been traditionally used in the rubber industry, it has several disadvantages that can affect the performance and longevity of rubber products.

1. Poor Aesthetics: Talc can impact the product's aesthetic quality.

2. Poor Adhesion: Talc can interfere with the adhesion of coatings and adhesives to rubber surfaces.

3. Limited Weather Resistance: Talc coatings can absorb moisture and chemicals vapour, which may negatively impact the properties of rubber products over time.

4. Health Concerns: There are concerns about the potential health risks associated with inhaling talcum powder.

5. Matting Effect: Talcum powder has a matting effect, reducing the glossiness of rubber products. This is undesirable in applications where a shiny, polished appearance is preferred.

6. Absorption of Additives: Talc can absorb preventive antioxidants, antiozonants, and preservatives over time. This absorption reduces the concentration of these protective agents within the rubber matrix, potentially compromising the rubber's resistance to

Drawbacks of Using Talc on Rubber Products



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Techniques for Enhancing Aesthetics of Your Rubber Products

1. Advanced Compounding:

- Carefully selecting and compounding raw materials can improve the visual quality of the final product.
- Incorporate polymer blends and fillers with excellent dispersion properties to minimize imperfections.

2. Improved Mould Design:

- A well-designed mould ensures fewer defects and a better final finish.
- Regular maintenance of moulds, such as polishing and cleaning, prevents damage and wear that could affect aesthetics.

3. Optimize vulcanization parameters

- Optimization curing time to reduce surface defects such as voids and blemishes.

4. Minimizing Blooming: Blooming occurs when excess chemical agents migrate to the surface leaving a powdery residue.

- Use optimized formulations with reduced blooming tendency.
- Incorporate effective anti-blooming agents and process controls.

5. Sustainable Additives:

- Enhance the look of your products while maintaining eco-friendliness.
- Employ sustainable, water-based moulding sprays and coatings to reduce environmental impact while achieving superior aesthetics.

6. Use mould release agent:

- Use of proper mould release agent in appropriate quantity, improve texture and finish of the product.

7. Surface Coatings:

- Coatings can significantly enhance the appearance of rubber products by adding gloss, improving texture, and providing resistance to environmental factors.
- Apply suitable post-processing coatings, such as silicone-based sprays or water-based protective agents, to create a sleek and polished appearance.
- Use PinnovaX rubber surface protector and shiner.



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