

## RILSAN® FINE POWDERS: THE RIGHT CHOICE FOR YOUR ACCESSORIES IN LINGERIE AND SWIMWEAR

### Bio-based and Durable Undergarment coating

Rilsan® Fine Powder is a true thermoplastic polyamide 11 powder, manufactured from a 100% renewable vegetable source - castor oil originating from *Ricinus Communis*. Rilsan® Fine Powders, a unique high performance bio-plastic that combines the strong physical properties with chemical durability. It is produced and sold only by ARKEMA under the Rilsan® trade name. This product is 100% made in France at production sites under ISO 9001 ISO 14001 certifications.

ARKEMA has originally developed a process under the name "Minicoat" for the coating of small articles. Based on this process, Rilsan® MC grades and Rilsan® Techline grades are specially designed for the coating of small items, especially for the coating of adjusters in lingerie industry. MC grades have an average particle size around 50 microns that allow for very high productivity and controlled thickness.

POWDER PROPERTIES		
Nature	PA 11	ISO 1043
COATING PROPERTIES		
Specific gravity of the coating (20°C)	1.11	ISO 1183
PERSOZ hardness	270	ISO 1522
SHORE D Hardness	73	ISO 868
COATING PROPERTIES		
Salt spray test according to surface preparation recommended by ARKEMA	Good adhesion after 2000 hours	GISO 9227
Abrasion resistance	8 mg	8ISO 9352
Dielectric stress (thickness 100µm)	>10 kV / mm	ASTM D 149

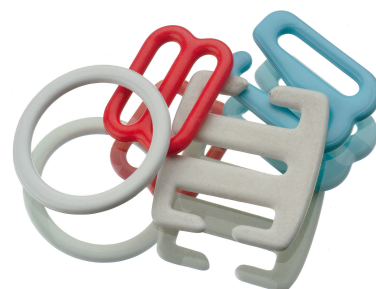


Rilsan® coating has been used in lingerie industry for many years. It is internationally acknowledged as coating material for the adjusters, clips and bra wires. Its unique properties allow providing to the lingerie companies the following benefits:

- Warm-to-touch feeling
- Excellent visual aspect
- Excellent dyeing properties
- Smooth surface
- Sweat (corrosion) resistance
- Unrivalled wear and abrasion resistance
- Washing resistance
- Excellent impact resistance
- Good edge covering
- High Graffiti resistance
- Non toxic
- Outstanding flexibility

#### 4 grades available:

- MC white MC 1452
- MC black 820 MAC
- Techline white 7601
- T white 7279S



White grades have excellent dyeing properties and allow large choice of colours. Techline grade has been specially designed to allow higher speed on coating line. Rilsan® coating for undergarment is already well used by the most famous brands in lingerie and swimwear.

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Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <http://www.arkema.com/en/products/product-safety/disclaimer/index.html>

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