

# RILSAN® FINE POWDERS ES GREY 49 MAC

## Rilsan® 49 Grey MAC Electrostatic Spray Powder

RILSAN® fine powders are specialty polyamide powders obtained from renewable resources. RILSAN® ES range is designed for coating metal parts using the electrostatic spraying process. They provide superior protection against wear, impact, corrosion, chemicals as well as graffiti. Please consult Arkema literature for application method and recommendations.

### MAIN CHARACTERISTICS

| PROPERTIES                                                             | VALUE                          | UNIT            | TEST STANDARD                    |
|------------------------------------------------------------------------|--------------------------------|-----------------|----------------------------------|
| <b>POWDER PROPERTIES</b>                                               |                                |                 |                                  |
| Color                                                                  | Grey                           | -               | -                                |
| Particle Size Distribution, $\leq 20\mu\text{m}$                       | 20                             | %               | ISO 13320                        |
| Particle Size Distribution, $\geq 100\mu\text{m}$                      | 1                              | %               | ISO 13320                        |
| Particle Size Distribution, Median Size                                | 30                             | $\mu\text{m}$   | ISO 13320                        |
| Melting Temperature                                                    | 183 - 188                      | °C              | ISO 1218                         |
| Vicat Point                                                            | 181                            | °C              | ISO 306                          |
| Non Tapped Density                                                     | 0.44                           | -               | ISO 1068                         |
| Tapped Density                                                         | 0.62                           | -               | ISO 1068                         |
| <b>POWDER COATING PROPERTIES</b>                                       |                                |                 |                                  |
| Recommended Coating Thickness                                          | 100 - 150                      | $\mu\text{m}$   | -                                |
| Covering Efficiency, 120 $\mu\text{m}$                                 | 0.14                           | $\text{kg/m}^2$ | -                                |
| Specific Gravity of Coating, 20°C                                      | 1.1                            | -               | ISO 1183                         |
| Persoz Hardness                                                        | 270                            | -               | ISO 1522                         |
| Shore D Hardness                                                       | 71                             | -               | ISO 868                          |
| Water Absorption, 24h                                                  | $\leq 1$                       | %               | ISO 62-1                         |
| Abrasion Resistance, Wheel CS 17, load 1 kg, 1000 cycles               | 17                             | mg              | ISO 9352                         |
| Resistance to Gritting by Shot Blast                                   | 1                              | -               | Automotive Method D24 1702/-1997 |
| Salt spray test according to surface preparation recommended by ARKEMA | Good adhesion after 2000 hours | -               | ISO 9227                         |

### MAIN APPLICATIONS:

- Metal Coating
- Fluids Transportation
- General Purpose

### PACKAGING

This grade is delivered in 20kg bag.

### SHELF LIFE

Five years from the date of delivery. For any use after this limit, please refer to our technical services.

### PROCESSING

Coating, Electrostatic Spray

### DELIVERY FORM

Powder

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

**RILSAN®**  
FINE POWDERS  
BY ARKEMA

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