

# RILSAN®

## FINE POWDERS

# T GREY 9102 MAC

+135-3858-6433 (GuangDong)  
+188-1699-6168 (ShangHai)  
+852-6957-5415 (HongKong)

### Rilsan® 9102 Grey MAC Fluid Bed Powder

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

| PROPERTIES   | VALUE                          | UNIT  | TEST STANDARD |
|--|--------------------------------|-------|---------------|
| POWDER PROPERTIES  |                                |       |               |
| Color  | Grey                           | -     | -             |
| Particle Size Distribution, ≤ 40µm                                     | 1                              | %     | ISO 13320     |
| Particle Size Distribution, ≥ 254µm                                    | 6                              | %     | ISO 13320     |
| Particle Size Distribution, Median Size                                | 100 - 130                      | µm    | ISO 13320     |
|  | 0.00394 - 0.00512              | in    |               |
| Melting Temperature  | 183 - 188                      | °C    | ISO 1218      |
|  | 361 - 370                      | °F    |               |
| Vicat Point  | 181                            | °C    | ISO 306       |
|  | 358                            | °F    |               |
| Non Tapped Density   | 0.52                           | -     | ISO 1068      |
| Tapped Density   | 0.62                           | -     | ISO 1068      |
| Fluidized Density  | 0.5                            | -     | -             |
| POWDER COATING PROPERTIES  |                                |       |               |
| Recommended Coating Thickness  | ≥250                           | µm    | -             |
|  | ≥0.00984                       | in    |               |
| Covering Efficiency , 300µm  | 0.33                           | kg/m² | -             |
| Specific Gravity of Coating, 20°C                                      | 1.1                            | -     | ISO 1183      |
| Persoz Hardness  | 200                            | -     | ISO 1522      |
| Shore D Hardness   | 70                             | -     | ISO 868       |
| Water Absorption, 24h  | ≤1                             | %     | ISO 62-1      |
| Abrasion Resistance, Wheel CS 17, load 1 kg, 1000 cycles               | 40                             | mg    | ISO 9352      |
| Impact Resistance  | ≥2                             | J     | ASTM G14      |
|  | ≥17.7                          | in-lb |               |
| Salt spray test according to surface preparation recommended by ARKEMA | Good adhesion after 2000 hours | -     | ISO 9227      |

### MAIN APPLICATIONS

- Metal Coating
- Automotive & Transportation
- Outdoor Furniture

### PACKAGING

This grade is delivered in 25kg bags.

**ARKEMA**

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PROCESSING

Coating, Fluidized Bed Dipping

DELIVERY FORM

Powder