

# RILSAN® FINE POWDERS T BLACK 7450 AC

## Rilsan® 7450 Black AC 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.

## MAIN CHARACTERISTICS

| PROPERTIES                                                             | VALUE                          | UNIT                   | TEST STANDARD |
|------------------------------------------------------------------------|--------------------------------|------------------------|---------------|
| <b>POWDER PROPERTIES</b>                                               |                                |                        |               |
| Color                                                                  | Black                          | -                      | -             |
| Particle Size Distribution, $\leq 40\mu\text{m}$                       | 4                              | %                      | ISO 13320     |
| Particle Size Distribution, $\geq 254\mu\text{m}$                      | 5                              | %                      | ISO 13320     |
| Particle Size Distribution, Median Size                                | 100 - 130                      | $\mu\text{m}$          | ISO 13320     |
| Melting Temperature                                                    | 183 - 188                      | $^{\circ}\text{C}$     | ISO 1218      |
| Vicat Point                                                            | 181                            | $^{\circ}\text{C}$     | ISO 306       |
| Non Tapped Density                                                     | 0.52                           | -                      | ISO 1068      |
| Tapped Density                                                         | 0.62                           | -                      | ISO 1068      |
| Fluidized Density                                                      | 0.5                            | -                      | -             |
| <b>POWDER COATING PROPERTIES</b>                                       |                                |                        |               |
| Recommended Coating Thickness                                          | $\geq 250$                     | $\mu\text{m}$          | -             |
| Covering Efficiency, 300 $\mu\text{m}$                                 | 0.33                           | $\text{kg}/\text{m}^2$ | -             |
| Specific Gravity of Coating, 20 $^{\circ}\text{C}$                     | 1.05                           | -                      | ISO 1183      |
| Persoz Hardness                                                        | 250                            | -                      | ISO 1522      |
| Shore D Hardness                                                       | 70                             | -                      | ISO 868       |
| Water Absorption, 24h                                                  | $\leq 1$                       | %                      | ISO 62-1      |
| Abrasion Resistance, Wheel CS 17, load 1 kg, 1000 cycles               | 13                             | mg                     | ISO 9352      |
| Impact Resistance                                                      | $\geq 2$                       | J                      | ASTM G14      |
| Salt spray test according to surface preparation recommended by ARKEMA | Good adhesion after 2000 hours | -                      | ISO 9227      |

## MAIN APPLICATIONS

- Metal Coating
- Wire Goods
- Automotive & Transportation
- General Purpose
- Fluids Transport

## PACKAGING

This grade is delivered in 25kg bag.

## SHELF LIFE

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

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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## PROCESSING

Coating, Fluidized Bed Dipping

## DELIVERY FORM

Powder

Arkema France - A French "société anonyme", registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790  
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