

RILSAN® FINE POWDERS ES NAT

Rilsan® Natural 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
POWDER PROPERTIES			
Color	Natural	-	-
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	μm	ISO 13320
Melting Temperature	183 - 188	°C	ISO 1218
Vicat Point	181	°C	ISO 306
Non Tapped Density	0.43	-	ISO 1068
Tapped Density	0.63	-	ISO 1068
POWDER COATING PROPERTIES			
Recommended Coating Thickness	100 - 150	μm	-
Covering Efficiency, 100 μm	0.14	kg/m^2	-
Specific Gravity of Coating, 20°C	1.04	-	ISO 1183
Persoz Hardness	270	-	ISO 1522
Pencil Hardness	B	-	ECCA T4
Shore D Hardness	71	-	ISO 868
Water Absorption, 24h	≤ 1	%	ISO 62-1
Abrasion Resistance, Wheel CS 17, load 1 kg, 1000 cycles	10	mg	ISO 9352
Salt spray test according to surface preparation recommended by ARKEMA	Good adhesion after 2000 hours	-	ISO 9227

MAIN APPLICATIONS

- Metal Coating

PACKAGING

This grade is delivered in 15kg 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>

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FINE POWDERS
BY ARKEMA

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