

RILSAN® FINE POWDERS T SILVER 9103

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
THERMAL PROPERTIES			
Vicat Softening Temperature, 50°C/h 50N	181	°C	ISO 306
POWDER PROPERTIES			
Nature	PA11	-	ISO 1218
Color	Silver	-	-
Particle Size Distribution, ≤ 40µm	1	%	ISO 13320
Particle Size Distribution, ≥ 254µm	7	%	ISO 13320
Particle Size Distribution, Median Size	100 - 130	µm	ISO 13320
Melting Temperature	183 - 188	°C	ISO 1218
Vicat Point	181	°C	ISO 306
Non Tapped Density	0.49	-	ISO 1068
Tapped Density	0.61	-	ISO 1068
Fluidized Density	0.5	-	-
POWDER COATING PROPERTIES			
Recommended Coating Thickness	≥ 250	µm	-
Covering Efficiency , 300µm	0.36	kg/m ²	-
Specific Gravity of Coating, 20°C	1.2	-	ISO 1183
Persoz Hardness	180	-	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	30	mg	ISO 9352
Impact Resistance	≥ 2	J	ASTM G14
Salt spray test according to surface preparation recommended by ARKEMA	Good adhesion after 2000 hours	-	ISO 9227

MAIN APPLICATIONS

- Wire Goods

PACKAGING

This grade is delivered in 20kg bags or in 850kg octabins.

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

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