

RILSAN® FINE POWDERS ES BLACK 710 MAC

Rilsan® 710 Black 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
POWDER PROPERTIES			
Color	Black	-	-
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, 120 μm	0.14	kg/m^2	-
Specific Gravity of Coating, 20°C	1.35	-	ISO 1183
Persoz Hardness	270	-	ISO 1522
Pencil Hardness	B	-	ECCTA T4
Shore D Hardness	72	-	ISO 868
Water Absorption, 24h	≤ 1	%	ISO 62-1
Abrasion Resistance, Wheel CS 17, load 1 kg, 1000 cycles	36	mg	ISO 9352
Resistance to Gritting by Shot Blast	1	-	Automotive Method D24 1702/-1997
UV Resistance	According with PSA requirements	-	ISO 105-A02
Immersion Resistance	No loss of adhesion	-	Ford Test / BAC Ford
Salt spray test according to surface preparation recommended by ARKEMA	Good adhesion after 2000 hours	-	ISO 9227

MAIN APPLICATIONS:

- General Purpose
- Outdoor Furniture
- Automotive Furniture

PACKAGING:

This grade is delivered 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

Arkema France - A French "société anonyme", registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790 SBC/11-2018

RILSAN® FINE POWDERS ES BLACK 710 MAC

PROCESSING

Coating, Electrostatic Spray

DELIVERY FORM

Powder

Arkema France - A French "société anonyme" registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790
SIC/11-2018

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 POWDER is a registered trademark of Arkema
© 2022 Arkema Inc. All rights reserved.

rilsanfinepowders.com

Arkema Inc. – Technical Polymers

900 First Avenue
King of Prussia, PA 19406
Tel.: +1 610 205 7000
Fax: +1 610 205 7497
arkema-america.com

RILSAN®
FINE POWDERS
BY ARKEMA

Headquarters: Arkema France

420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
Tel.: +33 1 49 00 80 80
Fax: +33 1 49 00 83 96
arkema.com