

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.

PROPERTIES	VALUE	UNIT	TEST STANDARD
POWDER PROPERTIES			
Color	Black	-	-
Particle Size Distribution, ≤ 20µm	20	%	ISO 13320
Particle Size Distribution, ≥ 100µm	1	%	ISO 13320
Particle Size Distribution, Median Size	30	µm	ISO 13320
	0.00118	in	
Melting Temperature	183 - 188	°C	ISO 1218
	361 - 370	°F	
Vicat Point	181	°C	ISO 306
	358	°F	
Non Tapped Density	0.43	-	ISO 1068
Tapped Density	0.63	-	ISO 1068
POWDER COATING PROPERTIES			
Recommended Coating Thickness	100 - 150	µm	-
	0.00394 - 0.00591	in	
Covering Efficiency , 120µm	0.14	kg/m²	-
Specific Gravity of Coating, 20°C	1.35	-	ISO 1183
Persoz Hardness	270	-	ISO 1522
Pencil Hardness	B	-	ECCA 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

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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.

PROCESSING Coating, Electrostatic Spray	
DELIVERY FORM Powder	