

RILSAN® FINE POWDERS MC BLACK 820 MAC

Rilsan® 820 Black MAC Minicoat/ Maxicoat Powder

RILSAN® fine powders are specialty polyamide powders obtained from renewable resources. RILSAN® MC range is designed for coating small items using the minicoat/maxicoat process, originally developed by Arkema to allow very high productivity. They provide superior protection against wear, impact, corrosion and chemicals. Please consult Arkema literature for application method and recommendations

MAIN CHARACTERISTICS

PROPERTIES	VALUE	UNIT	TEST STANDARD
POWDER PROPERTIES			
Color	Black	-	-
Particle Size Distribution, $\leq 20\mu\text{m}$	10	%	ISO 13320
Particle Size Distribution, $\geq 80\mu\text{m}$	6	%	ISO 13320
Particle Size Distribution, Median Size	30 - 60	μm	ISO 13320
Melting Temperature	183 - 188	$^{\circ}\text{C}$	ISO 1218
Vicat Point	181	$^{\circ}\text{C}$	ISO 306
Non Tapped Density	0.49	-	ISO 1068
Tapped Density	0.67	-	ISO 1068
POWDER COATING PROPERTIES			
Recommended Coating Thickness	150 - 200	μm	-
Covering Efficiency, 200 μm	0.22	kg/m^2	-
Specific Gravity of Coating, 20 $^{\circ}\text{C}$	1.12	-	ISO 1183
Persoz Hardness	263	-	ISO 1522
Shore D Hardness	74	-	ISO 868
Abrasion Resistance, Wheel CS 17, load 1 kg, 1000 cycles	10	mg	ISO 9352
Resistance to Gritting by Shot Blast	1	-	Automotive Method D24 1702/-1997
Salt spray test according to surface preparation recommended by ARKEMA	Good adhesion after 2000 hours	-	ISO 9227

MAIN APPLICATIONS

- Undergarment
- Automotive Furniture

PACKAGING

This grade is delivered in 20kg bags.

SHELF LIFE

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

PROCESSING

Coating, Minicoat/Maxicoat

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>

RILSAN®
FINE POWDERS
BY ARKEMA

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