+135-3858-6433 (GuangDong)
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RILSAN® FINE POWDERS MC NAT

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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.

PROPERTIES	VALUE	UNIT	TEST STANDARD
THERMAL PROPERTIES			
Vicat Softening Temperature, 50°C/h 50N	181	°C	ISO 306
	358	°F	
POWDER PROPERTIES			
Nature	PA11	-	ISO 1218
Color	Natural	-	-
Particle Size Distribution, ≤ 20µm	10	%	ISO 13320
Particle Size Distribution, ≥ 80µm	6	%	ISO 13320
Particle Size Distribution, Median Size	30 - 60	µm	ISO 13320
	0.00118 - 0.00236	in	
Melting Temperature	183 - 188	°C	ISO 1218
	361 - 370	°F	
Vicat Point	181	°C	ISO 306
	358	°F	
Non Tapped Density	0.49	-	ISO 1068
Tapped Density	0.67	-	ISO 1068
POWDER COATING PROPERTIES			
Recommended Coating Thickness	150 - 200	µm	-
	0.00591 - 0.00787	in	
Covering Efficiency , 200µm	0.22	kg/m²	-
Specific Gravity of Coating, 20°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
Salt spray test according to surface preparation recommended by ARKEMA	Good adhesion after 2000 hours	-	ISO 9227

MAIN APPLICATIONS

- Undergarment
- Laser application

ARKEMA

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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, Fluidized Bed Dipping, Minicoat/Maxicoat
DELIVERY FORM Powder

ARKEMA