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

Rilsan® Natural MAC Electrostatic Spray Powder

Rilsan® electrostatic spray powders are thermoplastic polyamides obtained from renewable resources.

Outstanding characteristics: abrasion resistance, corrosion resistance, impact resistance, sound reduction, flexibility, low coefficient of friction.

PROPERTIES	VALUE	UNIT	TEST STANDARD
POWDER PROPERTIES			
Color	Natural	-	-
Particle Size Distribution, Median Size	≥30	µm	ISO 13320
	≥0.00118	in	
Melting Temperature	183 - 188	°C	ISO 1218
	361 - 370	°F	
Non Tapped Density	0.43	-	ISO 1068
Tapped Density	0.63	-	ISO 1068
POWDER COATING PROPERTIES			
Covering Efficiency , 120µm	0.14	kg/m²	-
Specific Gravity of Coating, 20°C	1.04	-	ISO 1183
Persoz Hardness	270	-	ISO 1522
Pencil Hardness	B	-	ECCA T4
Water Absorption, 24h	≤1	%	ISO 62-1
Abrasion Resistance, Wheel CS 17, load 1 kg, 1000 cycles	10	mg	ISO 9352

MAIN APPLICATIONS:

- coating of wire goods and piping components exposed to high weathering or corrosive environments
- Rilsan® electrostatic spray powders are designed to coat metal substrates via a charged powder spraying gun. MAC grades exhibit improved weathering capabilities for outdoor applications
- Good adhesion after over 2000 hours of salt spray testing (ISO 9227)
- 5 year shelf life from date of manufacture
- coating of machinery exposed to high abrasion such as spline shafts
- Additional info
- Only 20% fine particles < 20 µm (ISO 13320)
- Available in 20 kg bags
- coating of springs for sound reduction
- Smooth texture with a glossy appearance
- Only 1% coarse particles > 100 µm (ISO 13320)

ARKEMA

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RILSAN®
FINE POWDERS
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PROCESSING Coating, Electrostatic Spray
DELIVERY FORM Powder

ARKEMA