

# RILSAN®

## FINE POWDERS

# ESY BLUE 7414

+135-3858-6433 (GuangDong)  
+188-1699-6168 (ShangHai)  
+852-6957-5415 (HongKong)

### Rilsan® 7414 Blue ESY 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
<b>ELECTRICAL PROPERTIES</b>			
Dielectric (Electric) Strength	67	kV/mm	IEC 60243-1
	1700	kV/in	
<b>POWDER PROPERTIES</b>			
Color	Blue	-	-
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	0.44	-	ISO 1068
Tapped Density	0.62	-	ISO 1068
<b>POWDER COATING PROPERTIES</b>			
Covering Efficiency , 100µm	0.20	kg/m <sup>2</sup>	-
Specific Gravity of Coating, 20°C	1.18	-	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	17	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. ESY grades contain additives that allow the coating to be effectively applied without a primer
- Good adhesion after over 2000 hours of salt spray testing (ISO 9227)
- 2 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)

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<b>PROCESSING</b> Coating, Electrostatic Spray	
<b>DELIVERY FORM</b> Powder	