

RILSAN®

FINE POWDERS

ESY GREY 7280

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Rilsan® 7280 Grey ESY Electrostatic Spray Powder

RILSAN® fine powders are specialty polyamide powders obtained from renewable resources. RILSAN® ESY 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
ELECTRICAL PROPERTIES			
Dielectric (Electric) Strength	62	kV/mm	IEC 60243-1
	1570	kV/in	
POWDER PROPERTIES			
Color	Grey	-	-
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	0.44	-	ISO 1068
Tapped Density	0.62	-	ISO 1068
POWDER COATING PROPERTIES			
Recommended Coating Thickness	80 - 120	µm	-
	0.00315 - 0.00472	in	
Covering Efficiency , 100µm	0.20	kg/m²	-
Specific Gravity of Coating, 20°C	1.1	-	ISO 1183
Persoz Hardness	270	-	ISO 1522
Pencil Hardness	B	-	ECCA T4
Shore D Hardness	71	-	ISO 868
Water Absorption, 24h	≤1	%	ISO 62-1
Abrasion Resistance, Wheel CS 17, load 1 kg, 1000 cycles	17	mg	ISO 9352
Salt spray test according to surface preparation recommended by ARKEMA	Good adhesion after 2000 hours	-	ISO 9227

MAIN APPLICATIONS

- Metal Coating
- General Purpose

PACKAGING

ARKEMA

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ESY GREY 7280

This grade is delivered in 20kg bag.

SHELF LIFE

Two 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