

RILSAN®

FINE POWDERS

ESY BLACK 7260

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

Powder ESY BLACK 7260 - Rilsan® POLYAMIDE 11 (PA11) 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
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	185	°C	ISO 11357-1/-3
Vicat Softening Temperature, 50°C/h 50N	160	°C	ISO 306
	320	°F	
Burning Behav. at 1.5 mm Nominal Thickness	HB	class	IEC 60695-11-10
Thickness Tested	1.6	mm	-
	0.0630	in	
Burning Behav. at Thickness h	V-2	class	IEC 60695-11-10
Thickness Tested	3.2	mm	-
	0.1260	in	
ELECTRICAL PROPERTIES			
Volume Resistivity	1E12	Ohm*m	IEC 60093
Surface Resistivity	1E14	Ohm	IEC 60093
Dielectric (Electric) Strength	58	kV/mm	IEC 60243-1
	1470	kV/in	
OTHER PROPERTIES			
Water Absorption	1.9	%	Sim. to ISO 62
Density	1350	kg/m³	ISO 1183
	1.35	g/cm³	
POWDER PROPERTIES			
Color	Black	-	-
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	

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Non Tapped Density	0.43	-	ISO 1068
Tapped Density	0.63	-	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	1.19	-	ISO 1183
Persoz Hardness	270	-	ISO 1522
Pencil Hardness	B	-	ECCA T4
Shore D Hardness	72	-	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
- Automotive and Transport
- General Purpose

PACKAGING

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	
REGIONAL AVAILABILITY North America, Europe, Asia Pacific, South and Central America, Near East/Africa	