

RILSAN® FINE POWDERS ESY BLACK 7260

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.

MAIN CHARACTERISTICS

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
Burning Behav. at 1.5 mm Nominal Thickness	HB	class	IEC 60695-11-10
Thickness Tested	1.6	mm	-
Burning Behav. at Thickness h	V-2	class	IEC 60695-11-10
Thickness Tested	3.2	mm	-
ELECTRICAL PROPERTIES			
Volume Resistivity	1E12	Ohm*m	IEC 60093
Surface Resistivity	1E14	Ohm	IEC 60093
Dielectric (Electric) Strength	30	kV/mm	IEC 60243-1
OTHER PROPERTIES			
Water Absorption	1.9	%	Sim. to ISO 62
Density	1350	kg/m³	ISO 1183
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
Melting Temperature	183 - 188	°C	ISO 1218
Vicat Point	181	°C	ISO 306
Non Tapped Density	0.43	-	ISO 1068
Tapped Density	0.63	-	ISO 1068
POWDER COATING PROPERTIES			
Recommended Coating Thickness	80 - 120	µm	-
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

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RILSAN®
FINE POWDERS
BY ARKEMA

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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

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