

RILSAN®

FINE POWDERS

ESY WHITE 7704

Powder ESY WHITE 7704 - 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. RILSAN® ESY WHITE 7704 provides good electrical insulation, even at low thickness. It can be used in electrical applications such as busbar coatings.

性能	价值	单位	测试标准
热性能			
维卡软化温度, 50°C/h 50N	181	°C	ISO 306
	358	°F	
电性能			
电介质常数, 1 kHz	3.7	-	ASTM D150
耗散因素, 100 kHz	≤ 0.01	-	ASTM D150
表面电阻率, 73 °F	2.4E14	Ohm per square	ASTM D257
介电强度	45	kV/mm	IEC 60243-1
	1140	kV/in	
相对耐漏电起痕指数, CTI	600	-	IEC 60112
粉末性能			
Color	White	-	-
Particle Size Distribution, ≤ 20µm	20	%	ISO 13320
Particle Size Distribution, ≥ 100µm	1	%	ISO 13320
中值粒径	30	µm	ISO 13320
	0.00118	in	
熔点	183 - 188	°C	ISO 1218
	361 - 370	°F	
Vicat Point	181	°C	ISO 306
	358	°F	
密度 (松的)	0.44	-	ISO 1068
密度 (包装的)	0.62	-	ISO 1068
POWDER COATING PROPERTIES			
Recommended Coating Thickness	80 - 120	µm	-
	0.00315 - 0.00472	in	
覆盖率, 100µm	0.12	kg/m²	-
涂料比重, 20°C	1.25	-	ISO 1183
Persoz硬度	270	-	ISO 1522

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铅笔硬度	B	-	ECCA T4
Shore D Hardness	71	-	ISO 868
吸水率, 24h	≤ 1	%	ISO 62-1
耐磨性, 1000 周期 , 1 kg , CS-17 转轮	25	mg	ISO 9352
Dielectric Strength	50	kV/mm	IEC 60243-1
	1270	V/mil	
Dissipation Factor, 25 °C, 1MHz	0.01	-	ASTM D150
Dielectric Constant	3.7	-	ASTM D150
Surface Resistivity	2.4E14	W	ASTM D257
Fire Resistance on coated panel	V-0	-	UL 94
Salt spray test according to surface preparation recommended by ARKEMA	Good adhesion after 2000 hours	-	ISO 9227

Main applications

- Metal Coating
- General Purpose
- Electrical applications - Busbars

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.

加工方法

涂覆, Electrostatic Spray

供货形式

粉料

地区供应

北美, 欧洲, 亚太, 中南美洲, 中东/非洲