

TECHNICAL DATA SHEET
RILSAN® PA11 ES BLACK 625 MAC

POLYAMIDE 11 POWDER

RILSAN® fine powders are specialty polyamide powders obtained from renewable resources. RILSAN® ES 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.

TYPE	配送形態
PA11	• パウダー
MAIN APPLICATIONS	変換プロセス
• 塗料用添加剤 - その他	• 静電塗装
• 自動車/トラック - 自動車用塗料	添加剤
	• 熱安定

MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	UNIT	テスト基準
Hardness, Shore D, 23°C (73°F)	- / 72		ISO 868
Hardness, Persoz, 23°C (73°F)	- / 270		ISO 1522
, Wheel CS 17, load 1 kg, 1000 cycles	- / 17	mg	ISO 9352

*DRY: Dry As Molded (DAM) if pellet / Dry if powder.
COND: Conditionned.

THERMAL PROPERTIES

プロパティ	価値	UNIT	テスト基準
Melting temperature, 10°C/min	183-188	°C	ISO 11357-1/-3
Vicat softening temperature, 50N at 50°C/h	181	°C	ISO 306

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OTHER PROPERTIES

プロパティ	価値	UNIT	テスト基準
Covering efficiency (120 µm)	0.14	kg/m²	Internal Arkema
Water absorption, 24h	≤ 1	%	ISO 62
Median particles (D50)	30	µm	ISO 13320
Approximate RAL number	9005		
Salt spray test	Good adhesion after 2000 hours		ISO 9227
Specific gravity of coating, 20°C (68°F)	1.19	g/cm³	ISO 1183-1
Apparent density, Non compacted	0.43		ISO 1068
Apparent density, Compacted	0.63		ISO 1068
Particle Size Distribution (PSD) (Fine particles < 20 µm)	20	%	ISO 13320
Particle Size Distribution (PSD) (Coarse particles > 100 µm)	1	%	ISO 13320

包装

Available packaging:

- 20 kg / 44 lb 袋

保存期間

納品日から5年間。適切な条件 (容器の密閉、適切な温度・湿度、UVカット) で保管された場合有効です。この期限を超えて使用する場合は、弊社の技術サービスにご相談ください。

特別な特性

- バイオベース

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