

TECHNICAL DATA SHEET
RILSAN® PA11 T BLUE T19 BHV RX

POLYAMIDE 11 POWDER

RILSAN® fine powders are specialty polyamide powders obtained from renewable resources. RILSAN® T range is designed for coating metal parts using the fluidized bed dip coating process. They provide superior protection against wear, impact, corrosion, chemicals as well as graffiti. Please consult Arkema literature for application method and recommendations.

TYPE

PA11

MAIN APPLICATIONS

- 粉体塗装 - 印刷用ローラーコーティング

配送形態

- ペレット

変換プロセス

- 流動層浸漬

添加剤

- 熱安定

MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	UNIT	テスト基準
Hardness, Persoz, 23°C (73°F)	- / 240		ISO 1522
Hardness, Shore D, 23°C (73°F)	- / 70		ISO 868
Coating impact, 23°C (73°F)	- / ≥ 2	J	ASTM G14
, Wheel CS 17, load 1 kg, 1000 cycles	- / 15	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
Apparent density, Non compacted	0.52		ISO 1068
Apparent density, Compacted	0.62		ISO 1068
Median particles (D50)	100-130	µm	ISO 13320
Particle Size Distribution (PSD), Fine particles (≤ 40 µm)	1	%	ISO 13320
Particle Size Distribution (PSD), Coarse particles (> 254 µm)	7	%	ISO 13320
Covering efficiency (300 µm)	0.36	kg/m²	Internal Arkema
Specific gravity of coating, 20°C (68°F)	1.2	g/cm³	ISO 1183-1
Water absorption, 24h	≤ 1	%	ISO 62
Approximate RAL number	5015		
Salt spray test	Good adhesion after 2000 hours		ISO 9227

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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