

TECHNICAL DATA SHEET

RILSAN® PA11 MC WHITE 1452 MAC

POLYAMIDE 11 POWDER

RILSAN® fine powders are specialty polyamide powders obtained from renewable resources. RILSAN® MC range is designed for coating small items using the minicoat/maxicoat process, originally developed by Arkema to allow very high productivity. They provide superior protection against wear, impact, corrosion and chemicals. Please consult Arkema literature for application method and recommendations

DESIGNATION

PA11

MAIN APPLICATIONS

- Powder Coating - Undergarment
- Coating Additives - Others
- Automotive/Truck - Automotive Coating

DELIVERY FORM

- Powder

TRANSFORMATION PROCESSES

- Minicoat / Maxicoat

ADDITIVES

- Heat Stabilized

MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	テスト基準
Hardness, Shore D, 23°C (73°F)	- / 74	ISO 868
Hardness, Persoz, 23°C (73°F)	- / 263	ISO 1522
Abrasion resistance, Wheel CS 17, load 1 kg, 1000 cycles	- / 5 mg	ISO 9352

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

THERMAL PROPERTIES

プロパティ	価値	テスト基準
Vicat softening temperature, 50N at 50°C/h	181 °C	ISO 306
Melting temperature, 10°C/min	183-188 °C (366.8 °F)	ISO 11357-1/-3

ELECTRICAL PROPERTIES

プロパティ	DRY / COND VALUE*	テスト基準
Surface resistivity, 23°C (73,4°F)	- / 1.0E+14 ohm/sq	IEC 62631-3-2
Volumic (transversal) resistivity, 23°C (73,4°F)	- / 1.0E+12 ohm/m	IEC 62631-3-1

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OTHER PROPERTIES

プロパティ	価値	テスト基準
Covering efficiency (100 µm)	0.22 kg/m ²	Internal Arkema
Water absorption, Saturated in water at 23°C (73°F)	1.9 %	ISO 62
Median particles (D50)	30-60 µm	ISO 13320
Apparent density, Non compacted	0.49	ISO 1068
Approximate RAL number	9010	
Salt spray test	Good adhesion after 2000 hours	ISO 9227
Specific gravity of coating, 20°C (68°F)	1.12 g/cm ³	ISO 1183-1
Apparent density, Compacted	0.67	ISO 1068
Particle Size Distribution (PSD), Fine particles (≤ 40 µm)	10 %	ISO 13320
Particle Size Distribution (PSD), Coarse particles (> 254 µm)	6 %	ISO 13320

包装

This grade is delivered dried in sealed packaging ready to be processed. Available packaging:

- 20 kg / 44 lb bags

賞味期限

Five years shelf life from date of delivery, when stored properly (sealed bags, appropriate moisture, UV protection and temperature). For any use above this limit, please refer to our technical services.

SPECIAL CHARACTERISTICS

- Bio-based

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Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.

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