

TECHNICAL DATA SHEET
RILSAN® PA11 ES GREY 49 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

PA11

MAIN APPLICATIONS

- 분체 도장 - 기타

배송 방식

- 분말

가공 공정

- 정전기 분무

첨가제

- 열 안정화

MECHANICAL PROPERTIES

속성	DRY / COND VALUE*	UNIT	테스트 표준
Hardness, Persoz, 23°C (73°F)	- / 270		ISO 1522
Hardness, Shore D, 23°C (73°F)	- / 71		ISO 868
, Wheel CS 17, load 1 kg, 1000 cycles	- / 17	mg	ISO 9352

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

속성	값	UNIT	테스트 표준
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

속성	값	UNIT	테스트 표준
Apparent density, Non compacted	0.44		ISO 1068
Apparent density, Compacted	0.62		ISO 1068
Approximate RAL number	7040		
Covering efficiency (120 µm)	0.14	kg/m²	Internal Arkema
Median particles (D50)	30	µm	ISO 13320
Particle Size Distribution (PSD) (Fine particles < 20 µm)	20	%	ISO 13320
Particle Size Distribution (PSD) (Coarse particles > 100 µm)	1	%	ISO 13320
Salt spray test	Good adhesion after 2000 hours		ISO 9227
Specific gravity of coating, 20°C (68°F)	1.1	g/cm³	ISO 1183-1
Water absorption, 24h	≤ 1	%	ISO 62

포장

Available packaging:

- 20 kg / 44 lb 가방

보관수명

납품일로부터 5년의 유통기한, 적절히 보관할 때 (밀봉된 봉지, 적절한 습도, 자외선 차단 및 온도). 이 한도를 초과하는 모든 사용에 대해서는 기술 서비스를 참조해 주세요.

특징

- 생물 기반

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