

TECHNICAL DATA SHEET

PEBAX® ES BLACK 9002 UV

POLYAMIDE 13

PEBAX® ES Black 9002 UV Electrostatic Spray Powder
PEBAX® fine powders are specialty Poly Ether Block Amide powders. PEBAX® ES Black 9002 UV is designed for coating metal parts, where high friction, noise reduction or very high flexibility are required. It can be applied by conventional electrostatic spraying process. Please consult Arkema literature for application method and recommendations.

DESIGNATION

PEBA

DELIVERY FORM

- Powder

TRANSFORMATION PROCESSES

- Coating
- Electrostatic Spray
- Fluidized Bed Dipping

MECHANICAL PROPERTIES

속성	DRY / COND VALUE*	테스트 표준
Hardness, Shore D, 23°C (73°F)	- / 50	ISO 868
Hardness, Persoz, 23°C (73°F)	- / 141	ISO 1522
Coating impact, 23°C (73°F)	- / 0.89 J	ASTM G14
Hardness, Shore D, 23°C (73°F)	- / 50	ISO 868
Abrasion resistance, Wheel CS 17, load 1 kg, 1000 cycles	- / 44 mg	ISO 9352

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

속성	값	테스트 표준
Vicat softening temperature, 50N at 50°C/h	109 °C	ISO 306
Melting temperature, 10°C/min	148 °C	ISO 11357-1/-3

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OTHER PROPERTIES

속성	값	테스트 표준
Approximate RAL number	9005	
Covering efficiency (200 µm)	0.24 kg/m ²	Internal Arkema
Salt spray test	Good adhesion after 1000 hours	ISO 9227
Water absorption, 24h	≤ 0.35 %	ISO 62
Median particles (D50)	58 µm	ISO 13320
Specific gravity of coating, 20°C (68°F)	1.16 g/cm ³	ISO 1183-1
Apparent density, Non compacted	0.46	ISO 1068
Apparent density, Compacted	0.54	ISO 1068

PACKAGING

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

- 21 kg / 44 lb bags

SHELF LIFE

Six months from the 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.

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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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