

TECHNICAL DATA SHEET

PEBAX® ES BLACK 9002 UV

POLYETHER BLOCK AMIDE POWDER

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

MAIN APPLICATIONS

- Automotive/Truck - Automotive Coating
- Auto - Metal Tube Coating

DELIVERY FORM

- Powder

TRANSFORMATION PROCESSES

- Coating
- Electrostatic Spray
- Fluidized Bed Dipping

MECHANICAL PROPERTIES

PROPERTIES	DRY / COND VALUE*	TEST STANDARD
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: Conditioned.

THERMAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Vicat softening temperature, 50N at 50°C/h	109 °C	ISO 306
Melting temperature, 10°C/min	148 °C	ISO 11357-1/-3

OTHER PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
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

PEBAX® ES BLACK 9002 UV

PACKAGING

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

- 20 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.

REGIONAL AVAILABILITY

Africa, Asia Pacific, Europe, Latin America and the Caribbean, Northern America

**Arkema Inc. – High Performance Polymers
(USA) **

**900 First Avenue King of Prussia, PA 19406
USA**

T+1 610 205 7000

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.

Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790

Headquarter: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
T +33 (0)1 49 00 80 80

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