

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.

TYPE

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*	UNIT	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
Taber abrasion, Wheel CS 17, load 1 kg, 1000 cycles	- / 44	mg	ISO 9352

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

THERMAL PROPERTIES

PROPERTIES	VALUE	UNIT	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	UNIT	TEST STANDARD
Approximate RAL number	9005		
Covering efficiency (200 µm)	0.24	kg/m²	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/cm³	ISO 1183-1
Apparent density, Non compacted	0.46		ISO 1068
Apparent density, Compacted	0.54		ISO 1068

PEBAX® ES BLACK 9002 UV

PACKAGING

Available packaging:

- 20 kg / 44 lb bags

SHELF LIFE

6 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

Afghanistan, Albania, Algeria, Andorra, Angola, Argentina, Austria, Bahamas, Bangladesh, Barbados, Belarus, Belgium, Benin, Bermuda, Bhutan, Bolivia, Botswana, Burkina Faso, Burundi, Cabo Verde, Cambodia, Cameroon, Canada, Central African Republic, Chad, China, Comoros, Congo, Côte d'Ivoire, Djibouti, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Greenland, Guinea, Hong Kong, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mayotte, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Réunion, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Tanzania, Togo, Tunisia, Uganda, United States of America, Zambia, Zimbabwe