

PEBAX® ES 9002 UV

Pebax® 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.

MAIN CHARACTERISTICS

PROPERTIES	VALUE	UNIT	TEST STANDARD
THERMAL PROPERTIES			
Vicat Softening Temperature, 50°C/h 50N	109	°C	ISO 306
POWDER PROPERTIES			
Nature	PEBA	-	ISO 1218
Color	Black	-	-
Particle Size Distribution, Median Size	58	µm	ISO 13320
Melting Temperature	148	°C	ISO 1218
Vicat Point	109	°C	ISO 306
Non Tapped Density	0.46	-	ISO 1068
Tapped Density	0.54	-	ISO 1068
POWDER COATING PROPERTIES			
Recommended Coating Thickness	150 - 200	µm	-
Covering Efficiency , 200/µm	0.24	kg/m ²	-
Specific Gravity of Coating, 20°C	1.16	-	ISO 1183
Persoz Hardness	141	-	ISO 1522
Pencil Hardness	HB	-	ECCA T4
Shore D Hardness	50	-	ISO 868
Water Absorption, 24h	≤0.35	%	ISO 62-1
Abrasion Resistance, Wheel CS 17, load 1 kg, 1000 cycles	44	mg	ISO 9352
Impact Resistance	0.89	J	ASTM G14
Resistance to Gritting by Shot Blast	3	-	Automotive Method D24 1702/-1997
Immersion Resistance	No loss of adherence	-	Ford Test / BAC Ford
Salt spray test according to surface preparation recommended by ARKEMA	Good adhesion after 1000 hours	-	ISO 9227

MAIN APPLICATIONS:

- Metal Coating
- Automotive & Transportation
- General Purpose

PACKAGING

This grade is delivered in 20kg drum.

SHELF LIFE

Two years from the date of delivery. For any use after this limit, please refer to our technical services.

Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/en/products/product-safety/disclaimer/index.html>

PEBAX®
BY ARKEMA

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PROCESSING

Coating, Electrostatic Spray, Fluidized Bed Dipping

DELIVERY FORM

Powder

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