

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.

PROPERTIES	VALUE	UNIT	TEST STANDARD
THERMAL PROPERTIES			
Vicat Softening Temperature, 50°C/h 50N	109	°C	ISO 306
	228	°F	
POWDER PROPERTIES			
Nature	PEBA	-	ISO 1218
Color	Black	-	-
Particle Size Distribution, Median Size	58	µm	ISO 13320
	0.00228	in	
Melting Temperature	148	°C	ISO 1218
	298	°F	
Vicat Point	109	°C	ISO 306
	228	°F	
Non Tapped Density	0.46	-	ISO 1068
Tapped Density	0.54	-	ISO 1068
POWDER COATING PROPERTIES			
Recommended Coating Thickness	150 - 200	µm	-
	0.00591 - 0.00787	in	
Covering Efficiency , 200µm	0.24	kg/m²	-
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
	7.88	in-lb	
Resistance to Gritting by Shot Blast	3	-	Automotive Method D24 1702/-1997
Immersion Resistance	No loss of adherence	-	Ford Test / BAC Ford

PEBAX[®]

ES 9002 UV

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.

PROCESSING

Coating, Electrostatic Spray, Fluidized Bed Dipping

DELIVERY FORM

Powder