

RILSAN®

FINE POWDERS

T BLACK 7450 AC

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Rilsan® 7450 Black AC Fluid Bed Powder

RILSAN® fine powders are specialty polyamide powders obtained from renewable resources. RILSAN® T range is designed for coating metal parts using the fluidized bed dip coating process. They provide superior protection against wear, impact, corrosion, chemicals as well as graffiti. Please consult Arkema literature for application method and recommendations.

PROPERTIES	VALUE	UNIT	TEST STANDARD
POWDER PROPERTIES			
Color	Black	-	-
Particle Size Distribution, $\leq 40\mu\text{m}$	4	%	ISO 13320
Particle Size Distribution, $\geq 254\mu\text{m}$	5	%	ISO 13320
Particle Size Distribution, Median Size	100 - 130	μm	ISO 13320
	0.00394 - 0.00512	in	
Melting Temperature	183 - 188	$^{\circ}\text{C}$	ISO 1218
	361 - 370	$^{\circ}\text{F}$	
Vicat Point	181	$^{\circ}\text{C}$	ISO 306
	358	$^{\circ}\text{F}$	
Non Tapped Density	0.52	-	ISO 1068
Tapped Density	0.62	-	ISO 1068
Fluidized Density	0.5	-	-
POWDER COATING PROPERTIES			
Recommended Coating Thickness	≥ 250	μm	-
	≥ 0.00984	in	
Covering Efficiency , 300 μm	0.33	kg/m^2	-
Specific Gravity of Coating, 20 $^{\circ}\text{C}$	1.05	-	ISO 1183
Persoz Hardness	250	-	ISO 1522
Shore D Hardness	70	-	ISO 868
Water Absorption, 24h	≤ 1	%	ISO 62-1
Abrasion Resistance, Wheel CS 17, load 1 kg, 1000 cycles	13	mg	ISO 9352
Impact Resistance	≥ 2	J	ASTM G14
	≥ 17.7	in-lb	
Salt spray test according to surface preparation recommended by ARKEMA	Good adhesion after 2000 hours	-	ISO 9227

MAIN APPLICATIONS

- Metal Coating
- Automotive & Transportation
- Fluids Transport
- Wire Goods
- General Purpose

ARKEMA

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PACKAGING

This grade is delivered in 25kg bag.

PROCESSING

Coating, Fluidized Bed Dipping

DELIVERY FORM

Powder