

RILSAN®

FINE POWDERS

T NAT BHV2

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Rilsan® Natural BHV2 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	Natural	-	-
Particle Size Distribution, $\leq 40\mu\text{m}$	1	%	ISO 13320
Particle Size Distribution, $\geq 254\mu\text{m}$	7	%	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	≥ 300	μm	-
	≥ 0.0118	in	
Covering Efficiency , 300 μm	0.36	kg/m^2	-
Specific Gravity of Coating, 20 $^{\circ}\text{C}$	1.2	-	ISO 1183
Persoz Hardness	240	-	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	7	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

PACKAGING

This grade is delivered in 20kg bags.

ARKEMA

PROCESSING Coating, Fluidized Bed Dipping	
DELIVERY FORM Powder	