+135-3858-6433 (GuangDong)
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RILSAN®
FINE POWDERS

T BLUE 51 HV AC

Rilsan® 51 Blue HV AC Fluid Bed Powder

Rilsan® fluid bed powders are thermoplastic polyamides obtained from renewable resources.

Outstanding characteristics: abrasion resistance, corrosion resistance, impact resistance, sound reduction, flexibility, low coefficient of friction.

PROPERTIES	VALUE	UNIT	TEST STANDARD
POWDER PROPERTIES			
Color	Blue	-	-
Particle Size Distribution, Median Size	100 - 130	µm	ISO 13320
	0.00394 - 0.00512	in	
Melting Temperature	183 - 188	°C	ISO 1218
	361 - 370	°F	
Non Tapped Density	0.52	-	ISO 1068
Tapped Density	0.62	-	ISO 1068
Fluidized Density	0.5	-	-
POWDER COATING PROPERTIES			
Covering Efficiency , 300µm	0.33	kg/m²	-
Specific Gravity of Coating, 20°C	1.05	-	ISO 1183
Persoz Hardness	250	-	ISO 1522
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	

MAIN APPLICATIONS:

- coating of wire goods and piping components exposed to high weathering or corrosive environments
- coating of machinery exposed to high abrasion such as spline shafts
- coating of springs for sound reduction
- Rilsan® fluid bed powders are designed to coat metal substrates via fluidized powder bed dipping. HV grades boast a higher viscosity making them ideal for building up large thicknesses
- Additional info
- Smooth texture with a glossy appearance
- Good adhesion after over 2000 hours of salt spray testing (ISO 9227)
- Only 8% fine particles < 40 µm (ISO 13320)
- Only 10% coarse particles > 254 µm (ISO 13320)
- 5 year shelf life from date of manufacture
- Available in 25 kg bags

ARKEMA

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PROCESSING

Coating, Fluidized Bed Dipping

DELIVERY FORM

Powder

ARKEMA