

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.

MAIN CHARACTERISTICS

PROPERTIES	VALUE	UNIT	TEST STANDARD
POWDER PROPERTIES			
Color	Blue	-	-
Particle Size Distribution, Median Size	100 - 130	μm	ISO 13320
Melting Temperature	183 - 188	°C	ISO 1218
Non Tapped Density	0.52	-	ISO 1068
Tapped Density	0.62	-	ISO 1068
Fluidized Density	0.5	-	-
POWDER COATING PROPERTIES			
Covering Efficiency , 300/μm	0.33	kg/m ²	-
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

MAIN APPLICATIONS:

- coating of wire goods and piping components exposed to high weathering or corrosive environments
- 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
- Good adhesion after over 2000 hours of salt spray testing (ISO 9227)
- 5 year shelf life from date of manufacture
- coating of machinery exposed to high abrasion such as spline shafts
- Additional info
- Only 8% fine particles < 40 μm (ISO 13320)
- Available in 25 kg bags
- coating of springs for sound reduction
- Smooth texture with a glossy appearance
- Only 10% coarse particles > 254 μm (ISO 13320)
- For more information visit: www.rilsanfinepowders.com

PROCESSING

Coating, Fluidized Bed Dipping

DELIVERY FORM

Powder

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

Rilsan® FINE POWDER is a registered trademark of Arkema
© 2022 Arkema Inc. All rights reserved.

rilsanfinepowders.com

Arkema Inc. – Technical Polymers
900 First Avenue
King of Prussia, PA 19406
Tel.: +1 610 205 7000
Fax: +1 610 205 7497
arkema-america.com

RILSAN®
FINE POWDERS
BY ARKEMA

Headquarters: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
Tel.: +33 1 49 00 80 80
Fax: +33 1 49 00 83 96
arkema.com

Arkema France – A French "société anonyme" registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790 S00711-2018