

**RILSAN®**

FINE POWDERS

# NATURAL RDP 15-10 FB

## Rilsan® Natural 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	Natural	-	-
Melting Temperature	183 - 193	°C	ISO 1218
	361 - 379	°F	
POWDER COATING PROPERTIES			
Covering Efficiency , 300µm	0.34	kg/m²	-
Specific Gravity of Coating, 20°C	1.11	-	ISO 1183
Abrasion Resistance, Wheel CS 17, load 1 kg, 1000 cycles	16	mg	ASTM D1044
Impact Resistance	160	J	ASTM D2794
	1420	in-lb	

## 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
- Good adhesion after over 2000 hours of salt spray testing (ISO 9227)
- Only 0.1% coarse particles > 250 µm (ASTM D3451)
- coating of machinery exposed to high abrasion such as spline shafts
- Additional info
- Only 15% fine particles < 75 µm (ASTM D3451)
- 5 year shelf life from date of manufacture
- coating of springs for sound reduction
- Smooth texture with a glossy appearance
- Only 1% coarse particles > 212 µm (ASTM D3451)
- Available in 100 lb drums

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<b>PROCESSING</b> Coating, Fluidized Bed Dipping	
<b>DELIVERY FORM</b> Powder	
<b>REGIONAL AVAILABILITY</b> North America	