

RILSAN® FINE POWDERS T BLACK SP

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.

| POWDER PROPERTIES | | |
|---|----------------------------------|-----------|
| Nature | PA 11 | ISO 1043 |
| Particle Size Distribution | 8% | ISO 13320 |
| <40µm | 10% | |
| >254µm | 100-130 µm | |
| Median size | | |
| Melting point | 183-188 °C | ISO 1218 |
| VICAT point | 181 °C | ISO 306 |
| Non tapped density | 0.52 | ISO 1068 |
| Tapped density | 0.62 | |
| Fluidized density | ~0.5 | |
| Covering efficiency | 0.36 kg/m ² at 300 µm | |
| Recommended Coating thickness | >300 µm | |
| COATING PROPERTIES | | |
| Specific gravity of the coating (20°C) | 1.2 | ISO 1183 |
| Persoz hardness | 240 | ISO 1522 |
| SHORE D Hardness | 70 | ISO 868 |
| Water absorption @ 24 hrs | < 1 % | ISO 62/1 |
| PERFORMANCES | | |
| Salt spray test according to surface preparation recommended by ARKEMA | Good adhesion after 2000 hours | ISO 9227 |
| Abrasion resistance <i>Wheel CS 17, load 1 kg, 1000 cycles</i> | 15 mg | ISO 9352 |
| Impact resistance | > 2 J | ASTM G14 |
| Dielectric stress (thickness 350 - 450 µm) | 30 kV/mm | ASTM D149 |
| Chemical Resistance (washing agents) | Good | |

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MAIN APPLICATIONS

- Metal Coating
- General Purpose

PACKAGING

This grade is delivered in 25kg bags.

SHELF LIFE

Five years from the date of delivery. For any use after this limit, please refer to our technical services.

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the competent authority, and the treating physician.