

磁性粉末用高絶縁・高耐食性コーティング剤

Coating solution for high insulation performance and high corrosion resistance (To magnetic powder)

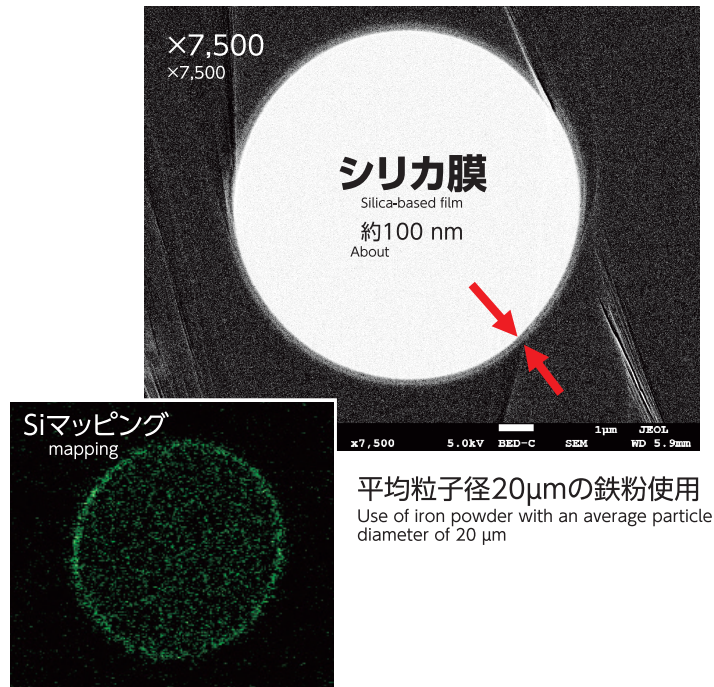
Protector PW-S

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- 80°Cの熱処理で磁性材料などの金属粉末にシリカ薄膜を形成
Form silica-based thin coating on metal powders such as magnetic materials by heat treatment at 80°C
- 均一な膜厚の制御が可能
Control film thickness very uniformly
- 金属粉末に優れた絶縁性・耐食性を付与
Give high insulation performance and high corrosion resistance to metallic powder

優れた耐食性

High corrosion resistance

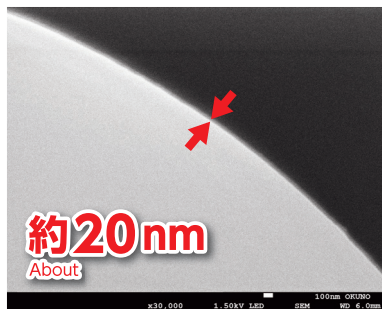


	Protector PW-S 膜厚10 nm Thickness	未処理 Untreated
浸漬直後 Just after dipping		
浸漬後 After dipping	 75日 days	 18時間 hours

5%食塩水に浸漬
Dip into 5% salt water

均一なコーティング膜厚

Uniform thickness coating



優れた絶縁性

High insulation performance

	Protector PW-S 膜厚 20nm Thickness	未処理 Untreated
体積抵抗率($\Omega \cdot \text{cm}$) Volume resistivity	1.2×10^9	1.2×10^{-1}