

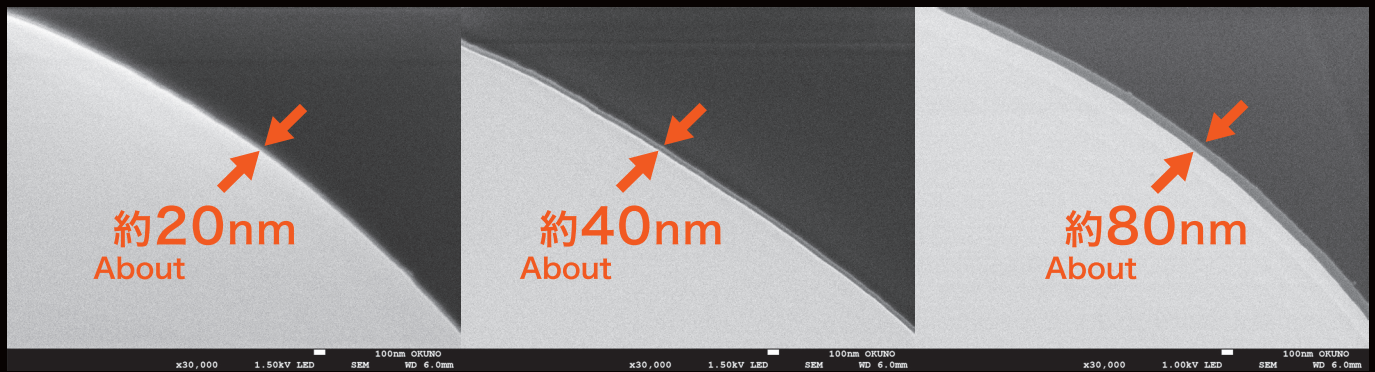
磁性粉末用高絶縁・高耐食性コーティング剤

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

Protector PW-S

- 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

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

優れた耐食性 High corrosion resistance

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

5%食塩水に浸漬 Dip into 5% salt water

Protector PW-S処理 模式図 Protector PW-S Treatment image

