surface treatment of magnet, rare-earth permanent magnets, Surface treatment method

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Surface Treatment

The surface of rare-earth permanent magnets is usually corroded by humidity, acid, alkaline solutions and harmful gases. So surface treatment has to be done to protect the magnets.



Surface	Method	Thickness (µm)	Colour
Ni	Electroplate	≥10	Silver semi-bright
Zn	Electroplate	≥10	Silver semi-bright
Ni+Sn	Electroplate	Ni≥5 Sn≥10	Silver semi-bright
Aluminum Chromate	Ion-deposition	≥5	Yellow semi- bright
Resin Coatings	Spray Painting Electrophoresis	≥20	black

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