

KES

Testing Method of Thickness for Metallic Coating by Microscope

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1. Scope of Application

This standard shall be applied for the testing method of thickness for metallic coating by microscope for coated part of vehicles delivered to our company.

2. Purpose

This standard is to measure every type of thickness for metallic coating by microscope.

3. Instruments

- (1) Mounting Press
- (2) Polisher
- (3) Optical Microscope

4. Testing Product

It shall be actual product or specimen sampled from the product. If other product is used, an approval from related department in our company shall be needed.

5. Testing Method

(1) Specimen Sampling

Sampling spot shall be an effective flat surface. Spot where is hard to be coated such as edge, drastically sunken part, single connecting part, screw valley and screw thread, etc. shall be decided by agreement of design department and test department.

(2) Specimen Processing

After mounting with a mounting press by cutting the section of effective surface, sand gradually the surface with #100 ~ #1200 sandpaper. Polish it with a polisher to the same direction of coating layer.