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**BUILDING MATERIALS INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

JC/T 672-1997

**Electric heating glass of rear auto window
(English Translation)**

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1 Scope

This standard specifies the thickness, performance indicators, test methods, inspection rules and marking, packaging, transportation, storage and other requirements of electric heating glass of auto rear windows. It is applicable to all types of electric heating glass of auto rear windows.

2 Normative references

The provisions in following documents become the provisions of this Standard through reference in this Standard. The versions indicated at the time of publication of this standard are valid. All standards are subjected to revision, AND parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable.

GB 1216-85 Micrometers

GB 5137.1-1996 Road vehicles - Safety glazing materials - Test methods for mechanical properties

GB 5137.2-1996 Road vehicles - Safety glazing materials - Test methods for optical properties

GB 9656-1996 Safety glasses for road vehicles

JC/T 512-93 Packaging of automobile safety glass

JC/T 673-1997 Performance test method for electric heating glass of rear auto window

3.1 Thickness

The thickness of the product shall comply with the provisions of 5.1 of GB 9656.

3.2 Transmittance

The transmittance of electric heating glass shall comply with the provisions of 5.2.2 of GB 9656.

3.3 Impact resistance

The impact resistance of electric heating glass shall comply with the provisions of 5.12.2 (b) in GB 9656.

3.4 Fragmentation state

The fragmentation state of electric heating glass shall comply with the provisions of 5.13.2 in GB 9656.

3.5.1 Opacity

The opacity of electric heating glass shall not exceed 3%, or meet the requirements of the corresponding product technical conditions.

Take three products for testing. If all three products meet the above requirements, they are qualified; otherwise, they are unqualified.

3.5.2 Welding strength of electric plug

The electric plug shall not fall off the product after a tensile force of 80 N or more in a direction perpendicular to the glass surface is applied for 2 s.

Take three products for testing. If all three products meet the above requirements, they are qualified; otherwise, they are unqualified.

3.5.3 Bending resistance of electric plug

The electric plug on the product shall not be damaged after 3 tests.

Take three electric plugs for testing. If all three electric plugs meet the above requirements, they are qualified. Otherwise, they are unqualified.

3.5.4 Resistance to cleaning agents

After cleaning the electric heating glass with a cleaning agent, it shall not cause functional disorders of the electric heating glass, such as: electric heating wire falling off, electric heating element failure, etc.

Take three products for testing. If all three products meet the above requirements, they are qualified; otherwise, they are unqualified.

3.5.5 Power

The power of the electric heating glass shall be 4.0 ~ 4.5 W/dm² (voltage is DC 12 V) or meet the requirements of the corresponding product technical conditions.

Test according to Chapter 13 of JC/T 673.

4.5.8 Electrical and thermal shock resistance

Test according to Chapter 15 of JC/T 673.

4.5.9 Hot spot temperature

Test according to Chapter 14 of JC/T 673.

4.5.10 Durability

Test according to Chapter 19 of JC/T 673.

5.1.1 Exit-factory inspection

Inspection items include thickness, power, hot spot temperature, electrical plug welding strength.

5.1.2 Type inspection

Inspection items include all technical requirements of the product specified in this standard.

Type inspection shall be carried out in any of the following situations:

- a) Trial design identification of new products or old products after trans-plant production;
- b) After formal production, if there are major changes in structure, materials, processes that may affect product performance;
- c) When normal production has been in place for one year;
- d) When the production is resumed after suspension of one year;
- e) When the exit-factory inspection results are significantly different from the last type

inspection;

f) When the national quality supervision agency proposes a type inspection requirement.

5.2 Group-batching and sampling rules

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