PROPERTY CHART ON HEAT INSULATION SHEETS

Charts of Properties

Compressive strength after thermal degradation

Temperature characteristics of compressive strength

Compression creep and strength after repeated fatigue test (110°C — 163°C) for bakelite (JIS PL-PEM) grade

Compression creep and strength during heating (100°C — 163°C) for bakelite (JIS PL-PEM) grade

Thermal contraction for bakelite (JIS PL-PEM) grade

Conduction creep — Dimensional change, expressed as the rate of change, that occurs along the elapsed time in a specimen under a specific pressure: compressive force, applied in its thickness direction.

Testing Method

- JIS PL-PEM grade
- JIS PL-FLE grade

Testing method

- Specimen: 100 — 150°C
- Specimen: 20 — 15°C
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Condition: Left in a furnace for 15 minutes, measurement taken inside the furnace.

Condition: Left in a furnace for 15 minutes; measurement taken inside the furnace.

Condition: After degradation under 130°C for 1,150 hours, left in a furnace for 15 minutes and measured inside the furnace.

Condition: The specimen was left in a 130°C furnace, and a sample piece was taken at specific intervals to measure its thickness under room temperature.

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Conditions: After repeatedly applying compressive load (20 sec./cycle) — 3 sec., ON, 17 sec., DPF under specific temperature and pressure, measurement was performed under room temperature for its compressive creep, thickness change, and strength.

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