

Material Testing



สถาบันไฟฟ้าและอิเล็กทรอนิกส์
ELECTRICAL AND ELECTRONICS INSTITUTE

Testing Services

■ Cable Testing

- Insulation thickness measuring
- Conductor diameter measuring
- Conductor resistance measuring
- Insulation resistance measuring
- Flexing testing
- Tensile strength and elongation testing
- etc.



Profile projector



Tensile testing machine



Flexing testing machine

■ Components and Materials properties testing

- Flammability or Flame retardation testing
- Ball pressure testing
- Glow-wire testing
- Tracking index testing
- Arc resistance testing
- Tensile testing
- Xenon arc testing
- Voltage drop testing
- Fusing characteristics testing
- etc.



Flame test equipment (Interior part)



Plastic material flammability testing

■ Performance of Electrical Fans

■ Sound pressure level testing

Products Covered and Standards

■ CABLES

➤ COPPER CABLES

- PVC INSULATED COPPER CABLES :
TIS.11-2531*, IEC 60227

- RUBBER INSULATED COPPER CABLES
- BRAIDED CORDS : TIS.955-2533

➤ ALUMINIUM CABLES

- PVC INSULATED ALUMINIUM CABLES : TIS.293-2541*

■ COMPONENTS AND MATERIALS

- INTERIOR PARTS : FMVSS 302, ISO 3795, ASTM D 635, TSM 0500G, MES CF 050 D, GMI 60261, ES-X60410, etc.
- PLASTIC MATERIALS : UL 94 (HB, V-0, V-1, V-2, etc.)
- ELECTRICAL APPLIANCE COMPONENT : IEC 60335, IEC60695-10-2, IEC 60695-2-11, IEC 60112, etc.
- UREA AND MELAMINE - FORMALDEHYDE MOULDING COMPOUNDS : JIS K6911, JIS K 6917, TIS 1178

■ **ELECTRICAL FANS** : EGAT Fan No.5, Air velocity, motor speed, etc.

■ **FAN COIL UNITS** : SOUND PRESSURE LEVEL TESTING ACCORDING TO CLIENT'S REQUIREMENTS



Glow-wire testing



Xenon arc tester

For more information, please send your queries or contact us at the following:

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