

## Gas Corrosion Test · Environmental Test · Mechanical Test

Development ······To detect the special properties of each part.

Design ··········To detect the special properties of the developed products and/or combination of parts.

Trial sample making ···To detect the defects on the appearance and/or unit.

, , - marks in the column of development, design and trial sample making in the following list show:

- is frequently done
- is done if it is necessary
- ··· is done rarely

Gas Corrosion Test				
Test Content	Development	Design	Trial sample making	Test example and also purpose
Single Gas				H <sub>2</sub> S · SO <sub>2</sub> 3 ~ 20ppm, 25 ~ 55 70 ~ 90%RH
2mixed gas				Combination of H <sub>2</sub> S · SO <sub>2</sub> · NO <sub>2</sub> · Cl <sub>2</sub>
3mixed gas				Battelle, etc 21day
4mixed gas				Bellcore(Low density)
Environmental Test				
Left in the high temperature test				+40 ~ +200 1000hrs (JIS C 0021)
Humidity Resistance test				+40 ~ +100 70 ~ 95%RH 1000hrs
Temperature/humidity cycling test				-10 ~ +65 1000hrs (JIS C 0028)
Pressure cooker				+121 ~ +140 (2 ~ 3atm) 8hrs
Cool/heat impact				-65 ~ +125 500cycle (JIS C 0025)
Compound cycling test				Temperature humidity cycling+vibration test
Salt spray test				Salt water density 5%, 16 hours atomizing (JIS C 0023)
Chemicals Immersion test				JIS C 0052
Dust test listed" listed				JIS Z 8901 six kinds of dust, 8 hours(JIS D 0027)
Hydrochloric acid test				Hydrochloric acid concentration 10wt%, etc
Ammonia test				CES M 0010-5
Climate Resistance test				Use sunshine weather meter, 1000 hours
Mechanical Test				
Tensile test			-	Grasp the cutting strength and tensile strength of the (raw) materials and parts.
Compressive & bending test			-	Grasp the compressive strength and bending strength of the (raw) materials and parts.
Plating pressure test				Grasp the thickness of various plating
Put-in & Pull-out power measurement				Measure the put-in/pull-out power of the connectors, pin, etc.
Soldering test			-	230 , dip 5 seconds
Solder heat resistance test			-	260 , dip 10 seconds
Vibration test	-			10 ~ 55Hz, XYZ 3 direction, Each 2 hours
Drop impact test	-			10 ~ 100G XYZ 3 (6) direction, Each 3 times
Slight additive vibration test	-	-		100G 3600 times/hour

Please refer to [Test Price List] for the test charge when the above-mentioned is examined.