# TEST REPORT

ktl 한국산업기술시험원 Korea Testing Laboratory

Report No. : 16-066148-02-2



KOREA TESTING LABORATORY ktl 한국산업기술시험원

**1. Client**

Name : DSP Co.,Ltd

Address : 439-24, Jangjae-ro, Saengnim-myeon, Gimhae-si, Gyeongsangnam-do, Republic of Korea

Date of Receipt : 2016. 11. 10.

**2. Use of Report :** Quality control

**3. Test Sample**

Description : PVD(Ti-Coating) & NCC(Nano Ceramic Coating) Stainless Steel Laminated Sheet

Manufacturer : Specimens are presented by the applicant

Model Name : ITE-SE120 (SUS 0.2t + E.G.I. 1.0t)

Serial Number : * * *

Remark : * * *

**4. Date of Test :** 2016. 11. 14. ~ 2016. 11. 14.

**5. Test Standard/Method :** Test method is presented by the applicant

**6. Testing Environment :** Temperature : ( 24.1 ± 2.0 ) ℃, Humidity : ( 41 ± 10 ) % R.H

**7. Test Results :** Refer to the attached results

Note : 1. The test results contained apply only to the test sample(s) supplied by the client

2. This test report shall not be reproduced in full or in part without approval of the KTL in advance.

| Affirmation | Tested by | | Technical Manager | |
|---|---|---|---|---|
| | Name : Jeong Hyun Jin | (Signature) | Name : Kang Byung-koo | (Signature) |

**2016. 11. 14.**

**Korea Testing Laboratory**

723, Haean-ro, Sangnok-gu, Ansan-si, Gyeonggi-do, KOREA Tel.+82-31-500-0194 Fax. +82-31-500-0195



※위 마크는 추후 전자확인증 대조 프로그램에서 원본대조시 사용되는 2D코드입니다.

# Test Results

## 1. Test specimen information

1.1 Specimen name : PVD(Ti-Coating) & NCC(Nano Ceramic Coating) Stainless Steel Laminated Sheet

1.2 Model : ITE-SE120 (SUS 0.2t + E.G.I. 1.0t)

Figure 1 Specimens photo

## 2. Test method

- Mount the specimen with a jig on the test machine as Figure 2, and then apply load at a rate of 200 ㎜/min. Measure the Peel strength.

Figure 2 Test set-up

### 3. Test results

| Specimen name | | Peel strength (N/25㎜) | Average (N/25㎜) | Note |
|---|---|---|---|---|
| PVD(Ti-Coating) & NCC(Nano Ceramic Coating) Stainless Steel Laminated Sheet | 1 | 116 | 115 | ① Specimen : peel test specimen of 180 degree<br>② The peel strength is average value of (20 to 100) mme |
| | 2 | 113 | | |
| | 3 | 115 | | |

### 4. Test instrument

| Instrument | Manufacture | Model |
|---|---|---|
| 50 kN UTM | Dae Kyung Engineering | DUT-3000CM |

**The end.**