



Test Report



Address : 971-35, Wolchul-dong, Buk-gu,
Gwangju
Tel : +82-62-605-9290
Fax : +82-62-605-9289

Report No. :
KOPTI-T05-033
Page :
(1) of (3) pages

1. Client :

- Name : Ilsin Precision CO., LTD
- Address : 130 Dongan-ri, Okchun-eup, Okchun-kun, Ghungchongbuk-do, Korea
- Date of Receipt : 2005. 03. 22.

2. Use of Report : Test Report of the Products

3. Test Sample : Optical Fiber 1 m (60 ea.) stripped by Mechanical Splitter, Air Stripper and Heating Stripper

4. Date of Test : 2. May 2005 ~ 3. May 2005

5. Testing Environment : Temperature: (24.4 ± 2) °C, Humidity: (34 ± 5) % R.H.

6. Test Results :

No.	Test Item	Unit	Average	Stripper	Test Method
1	Tensile	kg	2.92	Mechanical Stripper	Fiber Pull Test
2	Tensile	kg	5.27	Heating Stripper	Fiber Pull Test
3	Tensile	kg	4.62	Air Stripper	Fiber Pull Test

7. Detail Test Data : See the test result

Affirmation	Tested by Name: Joo Beom Eom (Signature)	Approved by Title : Technical Manager Name: Hae-Ryong Lim (Signature)
-------------	---	---

2005. 05. 17.

Manager of Test and Reliability Assessment Center
Korea Photonics Technology Institute



TEST RESULT

1) Test Sample : Single Mode Fiber 1 m (60 ea.) stripped by Mechanical Stripper, Air Stripper

2) Test Equipment : Fiber/Integrity system (United)

3) Test Procedure

- ① Crosshead Speed : 60 mm/min
- ② Using the JIG which was made by ILSIN Precision CO., LTD
- ③ Fiber Stripping Length : 35 mm

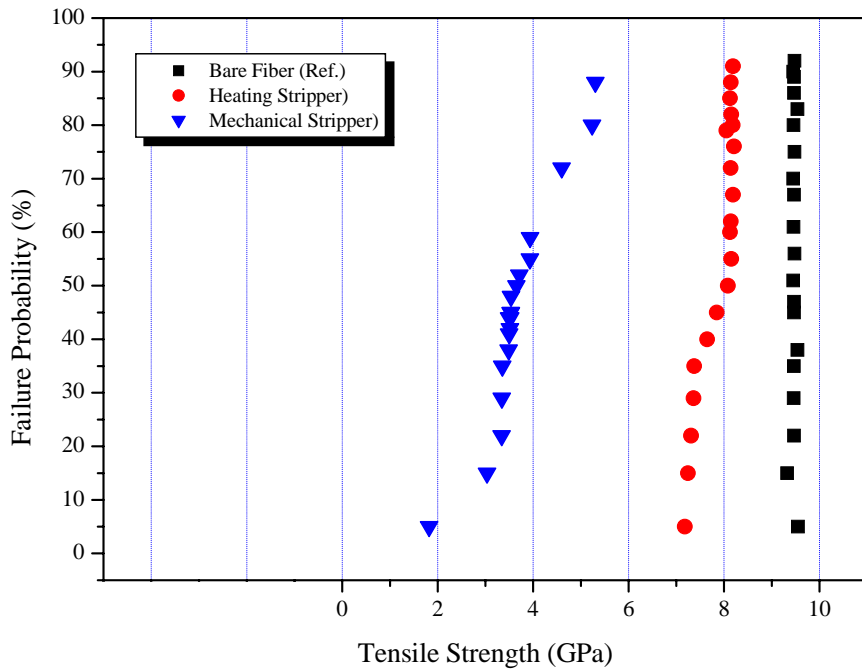
4) Test Result

(unit : GPa)

Repeat Time	Mechanical Stripper	Heating Stripper	Reference (Bare Fiber)
1	1.82109	7.17945	9.54874
2	3.03524	7.24613	9.32122
3	3.34	7.30988	9.46538
4	3.3451	7.36087	9.45851
5	3.35387	7.37656	9.4644
6	3.49019	7.64924	9.53991
7	3.5	7.84924	9.46832
8	3.51568	8.08071	9.46538
9	3.524	8.15129	9.44871
10	3.53039	8.12775	9.47813
11	3.5	8.14442	9.45655
12	3.53432	8.18855	9.46538
13	3.53824	8.13952	9.44871
14	3.65102	8.20817	9.47813
15	3.71182	8.04924	9.45655
16	3.93345	8.18071	9.53991
17	3.93737	8.15129	9.46832
18	4.59851	8.12775	9.46538
19	5.23479	8.14442	9.44871
20	5.3054	8.18855	9.47813

TEST RESULT

5) Tensile Strength (GPa) Test Graph



6) Tensile (Kg) Test Graph

