

**Test Report**

Report Number:140618003SHJ-BP- 5

**Applicant Name: Changzhou Huahang Packing Materials Co.,Ltd**    **Original Report Date: July 8, 2014**  
**Applicant Address: No.28 Zhaojia Street Hengling Town, Wujin District, Changzhou City, Jiangsu Province, China**  
**Attn: Zhu Chen**

**Sample Description:**

Product: 3mm IXPE(Irradiation Cross-linked Polyethylene Foam)  
Model: HX-30  
Samples Quantity: 15m<sup>2</sup>  
Sample ID: S140618003SHJ-001~022  
Date Received: 2014-06-17  
Date Test Conducted: 2014-06-18~2014-07-08

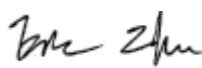
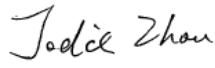
**Tests Conducted:**

Test Methods: ASTM E492-09, ASTM E989-06, ASTM E2179-09

**Conclusion:**

For details refer to attached page(s).  
The conclusions of this test report may not be used as part of the requirements for Intertek product certification.  
Authority to Mark must be issued for a product to become certified.

Should you have any queries about the test report, please contact:

**Approved by:**                      **Checked by:**                      **Prepared by:**Dorian Wu  
SupervisorJodie Zhou  
Technical SupervisorEric Zhu  
Engineer

**Test Items, Method and Results:**

Test Method: ASTM E492-09

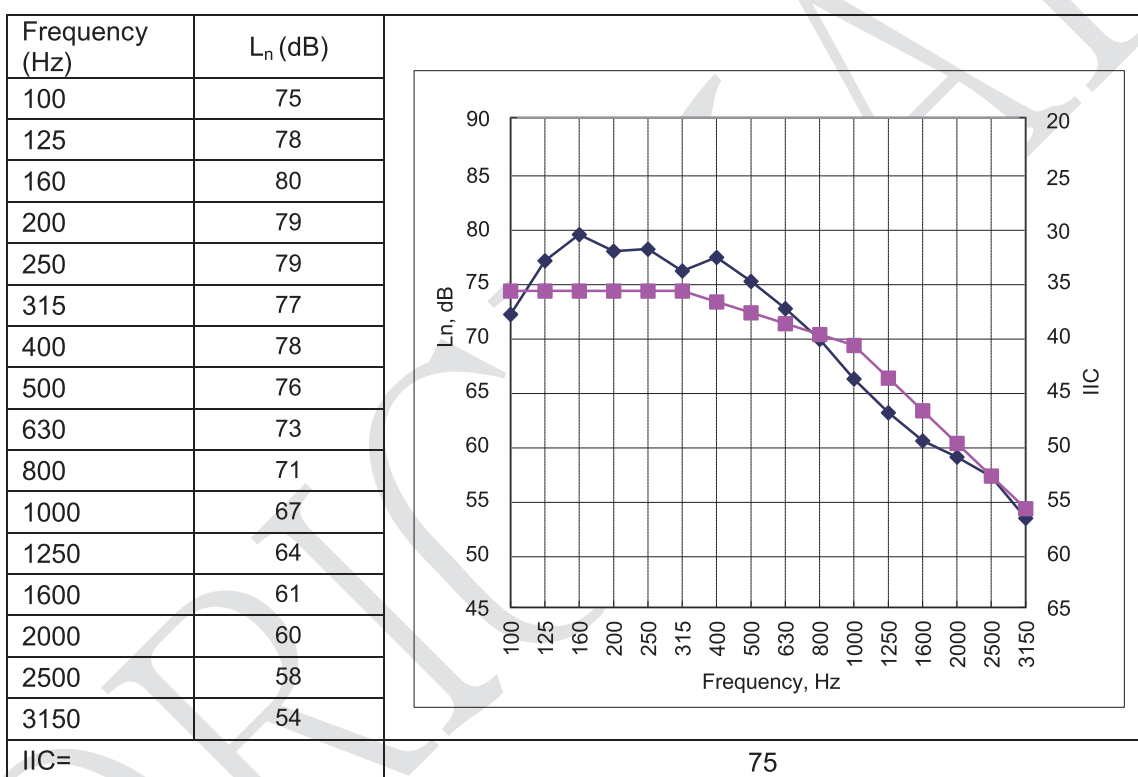
Temperature: 25°C

Relative Humidity: 65%

Specimen area: 12.8m<sup>2</sup>

Volume of the receiving room: 121m<sup>3</sup>

Floor/ceiling Assembly: The system consisted of 150mm thick concrete floor which had a 3mm sound insulation pad installed on the top of it. The 12 mm flooring specimens were then placed on the top of the insulation pad.



**Calculated Impact Insulation Class: IIC75**

Note:

1. L<sub>n</sub> = Normalized Sound Pressure Level for Covering over Floor/ceiling System
2. Classified IIC in accordance with ASTM E989-12, Standard Classification for Determination of Impact Insulation Class.
3. The IIC was for the whole floor/ceiling assembly system.

**Test Report**

**Report Number: 140618003SHJ-BP-5**

Test Method: ASTM E90-09

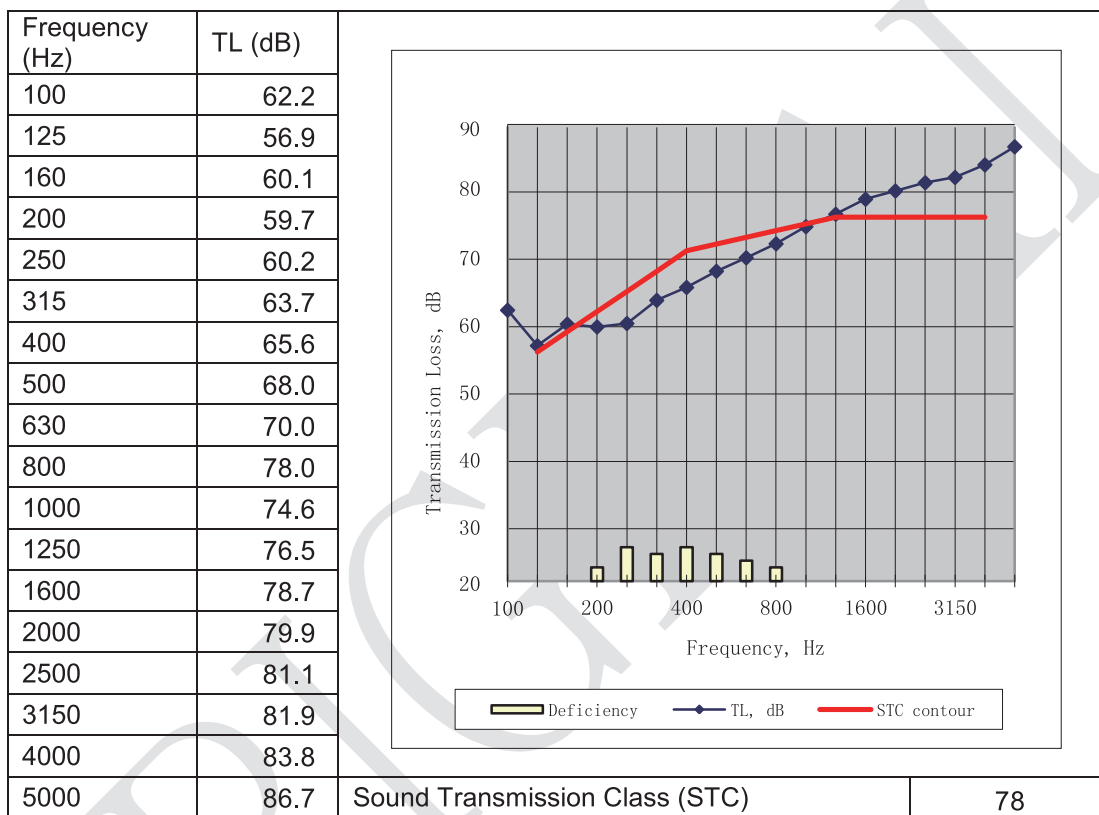
Temperature: 25°C

Relative Humidity: 65%

Specimen area: 12.8m<sup>2</sup>

Volume of the receiving room: 121m<sup>3</sup>

Floor/ceiling Assembly: The system consisted of 150mm thick concrete floor which had a 3mm sound insulation pad installed on the top of it. The 12 mm flooring specimens were then placed on the top of the insulation pad.



**Calculated Sound Transmission Class: STC 78**

Note:

1. TL= Transmission loss, the partition was the Floor/ceiling Assembly System.
2. Classified STC in accordance with ASTM E413-10, Classification for Rating Sound Insulation.
3. The STC was for the whole floor/ceiling assembly system.