



## IDFL Calendar

- 16–18 October 2012 TITAS Show in Taipei, Taiwan
- 5 November, IDFL Technical Seminar Hong Kong
- 7 November, IDFL Natural Fills Presentation at the Dorthe Hansen Knowledge Centre, Oslo, Norway
- 07–10 December China Int'l Down Fair Xiaoshan – Market Reports, Seminars, Tours of IDFL China

For more information about any of the above events please contact [info@idfl.com](mailto:info@idfl.com) for more details.

## IDFL Technical Seminar in Hong Kong

IDFL will hold a Technical Seminar on 5 November 2012 in Hong Kong (both English and Mandarin Chinese.) The seminar will specifically focus on:

- Outerwear & Sleeping Bags
- DWR Down and other Treatments
- Down Market and other trends.
- Downproof/Fill Proof & Fill Power

To register for this seminar please contact IDFL China.

Phone: +86 571 8273 6561  
Email: [china@idfl.com](mailto:china@idfl.com)

## Treated Down Sample Submittal Form

IDFL has been doing research on treatments for down and other synthetic and natural fillings.

- DWR treatments
- Odor masking treatments
- Antimicrobial treatments
- Optical brighteners & other finishing agents

IDFL has developed a global protocol for testing these treatments.

Please [click here](#) for a Sample Submittal Form.

(or) For a copy of this form please visit [http://www.idfl.com/media/pdfs/IDFL\\_Submittal\\_Form\\_-\\_DWR\\_&\\_Other\\_Treatments.pdf](http://www.idfl.com/media/pdfs/IDFL_Submittal_Form_-_DWR_&_Other_Treatments.pdf).

## Synthetic & Natural Fill Testing

IDFL is not just a down & feather laboratory. IDFL has been testing fabrics and other natural and synthetic fillings for more than 20 years.

IDFL offers a range of testing and inspection services for synthetic fillings. Both bulk fillings and finished bedding and apparel products can be tested.

IDFL is able to perform fiber analysis, net fill weight, fillproof, hypo-allergenic, and other specialty testing on these fillings.

## Test Highlight - NET FILL WEIGHT

- **What is it?** The net fill test determines the filling weight of a product.
- **How is it done?** A finished product (pillow, comforter, jacket, sleeping bag, etc.) is first weighed. The filling is then carefully removed, and the empty product shell is weighed to determine the weight of the filling.
- **What do the numbers mean?** The gross weight, shell weight, and net fill weight are reported in grams and ounces.
- **Why do it?** The net fill test verifies the fill weight is meeting buyer product specifications.

If 8g is missing from a jacket requiring 80g, the product is missing 10% of the filling, compromising the insulation value.

As the price of down and other filling materials rise, the risk of low filling weight increases.

Some countries have legal requirements for the net fill weight. Most buyers list filling weight in their specifications.

In the USA and other countries chambered products require the percentage of each chamber to be listed on the law label. Testing the net fill ensures the product is labeled accurately.

## IDFL LABORATORY AND INSTITUTE

Certified Laboratory: IDFB • EDFA • DPSC Member: AATCC • ADFC • ASTM • CFDA • EDFA • IABFLO • TFEA

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