



## **MEETING LOG**

**SUBJECT:** ASTM F15.12 Methods for Measuring Rebreathing Task Group

**FY 25 OP PLAN ENTRY:** Infant Bedding

**DATE OF MEETING:** 12/03/2024

**LOCATION OF MEETING:** Virtual

**CPSC STAFF FILING MEETING LOG:** Ashley Johnson (HSPP)

**FILING DATE:** 12/09/2024

**CPSC ATTENDEE(S):** Ashley Johnson (HSPP), Daniel Taxier (ESMC), Tim Smith (ESHF), Suad Wanna-Nakamura (HSPP)

**NON-CPSC ATTENDEE(S):** Contact ASTM for the full attendee list

### **Summary of Meeting:**

The subject Task Group (TG) is developing test methods to measure firmness, airflow, and carbon dioxide (CO<sub>2</sub>) re-breathing for infant products.

The TG chair began the meeting by explaining that the most recent draft (26.4) of the Standard Test Method for Firmness of Soft Infant Products- Test Stand Method document, and the most recent draft (12.4) of the Standard Test Method for Airflow Resistance of Infant Products document, will be sent out for ballot soon.

The TG first discussed the evaluation of the handheld method for firmness testing (that can be used on seated products). Labs that are participating in this testing reported to the TG that their evaluations are nearly completed. The TG chair stated that this data will be reviewed and analyzed by interlaboratory study (ILS) 1979.

The TG next discussed the ILS for the test stand method for firmness testing (that can be used on nursing pillows and infant loungers). The ILS consists of a pilot run study on flat foam and a full repeatability and reproducibility (R&R) study using nursing and lounging products. The TG chair stated that most labs have completed the pilot run, and that the R&R study is beginning.

The TG asked for feedback on the handheld method for firmness testing from labs that are participating in this testing. CPSC staff stated that the testing locations on sample products could be unclear to labs, so staff would indicate on the product more clearly where testing should be performed. The TG discussed challenges around where to test on products with concave surfaces or curved surfaces. The TG also discussed an EN device for determining indentation depth on mattresses for cots and cribs, and its usefulness and comparison to other test devices.



Before the meeting closed, the TG chair explained to the TG that a paper on breathability regarding airflow and the scientific basis for understanding the work of breathing will be sent out to the subcommittee for review and is anticipated to be published in January.

**Next Steps:**

The TG will continue discussing draft firmness, airflow, and CO<sub>2</sub> re-breathing test methodologies at the next meeting. The next meeting is expected to take place on December 17, 2024.