

SUBJECT: ASTM F15.19 Methods for Measuring Re-Breathing Task Group

FY 23 OP PLAN ENTRY: Infant Bedding

DATE OF MEETING: 11/21/2023

LOCATION OF MEETING: Virtual

CPSC STAFF FILING MEETING LOG: Ashley Johnson (HSPP)

FILING DATE: 11/28/2023

CPSC ATTENDEE(S): Ashley Johnson (HSPP), Suad Wanna-Nakamura (HSPP)

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

Summary of Meeting:

This Task Group (TG) is developing test methods to measure firmness, airflow, and carbon dioxide (CO₂) re-breathing for infant sleep products.

The TG Chair began the meeting by explaining that the Standard Test Method for Firmness of Soft Infant Products ballot closed on Friday, November 10. The TG then continued to review TG member comments on the ballot. Topics that had substantial discussion included: removing the definition of firmness from the terminology section because it is not mandatory, the time period to wait while the force stabilizes before recording the result of the test (30 seconds, 60 seconds, or a different period of time), and the section describing reporting results (report and explain all deviations from specified test specimen size, test locations, and individual test results). After reviewing comments on the diagram of the probe, the TG decided not to make any changes because, while the diagrams vary within standards, they all describe the same functional probe. Next, the TG viewed an updated video describing the test procedure. A version of the video is expected to be attached to the next ballot via QR code and includes a narration. Lastly, the TG discussed an upcoming Interlaboratory Study on nursing pillows, where samples will be tested for firmness. A TG member stated that these results would be shared with ASTM.

The TG chair will incorporate the changes discussed and send out a clean draft of the Standard Test Method for Firmness of Soft Infant Products document.

Next Steps:

The TG will continue discussing draft firmness, airflow, and CO₂ re-breathing test methodologies at the next meeting. The next TG meeting is expected to take place on December 5, 2023.