

MSD II Testing – Required Foam Thickness

Team: P18347: Stroller with HVAC capability

Responsible Engineer: Team

Purpose:

The purpose of this test is to determine the required thickness of the foam required for the seat to be comfortable for the baby. Additionally, the to test the heat permeability of the foam to ensure that heat will pass through.

Engineering Requirement:

Requirement #	Importance	Metric	Unit	Ideal Value	Marginal Value
TBD	9	Required Seat Foam Thickness	in	1/4	1/8-1/2

Materials:

- 1.) Foam
- 2.) Heated coils
- 3.) Scissors (or some cutting device)
- 4.) Ruler

Test Procedure:

- 1.) Place heating coils over maximum marginal value foam thickness
- 2.) Turn on heated coils to lowest setting
- 3.) Test for heat permeability
- 4.) Adjust thickness of foam as needed

Pass/Fail Criteria:

Pass	Fail
TBD	TBD

Completion Date: