

Test Bench Foam Definition

GRSP Informal Group CRS Testing
Pre Meeting on Side Impact Testing
January 18, 2010

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Drafting of Bench Foam Definition

Documents from previous Informal Group meetings

- CRS 05-03e: Test Bench (TRL)
 - Assuming NPACS as basis
- CRS 06-02: Test Bench (TRL)
 - Open questions on test bench foams
- CRS 06-09: Meeting minutes
- CRS 08-03e: Test Bench Foam Definition I (FTSS)
 - Proposal for geometry
 - Open questions on
 - Some dimensions
 - Foam types used
 - Input for foam certification
- CRS 09-08e: Test Bench Foam Definition II (FTSS)
 - Introducing input received from UTAC, Dorell on foam behavior
- CRS 09-09e: Contribution to the definition of the test seat (TRL)
 - Respond to open questions on some dimensions and some foam data
- CRS09-11: Meeting minutes 11th meeting
- Missing: meeting minutes of 8th meeting with statement on usage of T75500 for seat and backrest

Drafting of Definition so far

- Definition based on NPACS foam (CRS 06-02, CRS 06-09)
 - Width backrest extended to 800 mm
- Dimensions
 - As shown, in particular:
 - Thickness seat: 130 mm (CRS 09-09e)
 - Seat recess depth: 100 mm (CRS 09-09e)
 - Backrest height: 530 (CRS 06-02)
 - Foam width at R point: 220 (CRS 06-02e)
- Material
 - NPACS foams: T75500 used for seat and backrest
 - **Material Certification yet to be defined**
 - FTSS will cooperate with Dorell to generate reference data for new foam
 - Others?
 - Testing with new uncovered foam, covered but not glued, covered and glued
 - Try to acquire at least 5 specimens from 2 different batches
- Foam cover: Sun shade cloth made of poly-acrylate fiber

