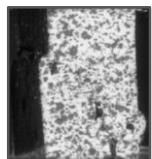
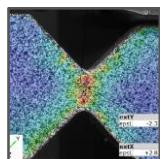


Studentische Arbeiten im Team FKV-Hybrid

Materialcharakterisierung



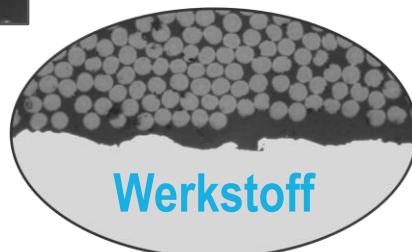
Druck



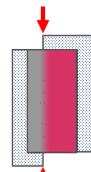
Schub



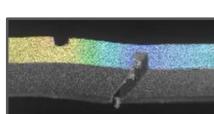
Zug



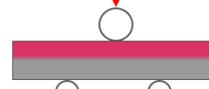
Hafteigenschaften



Shear-Edge

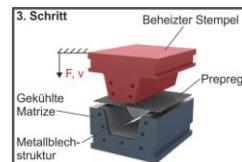
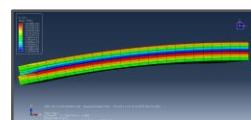


Scherzugversuch



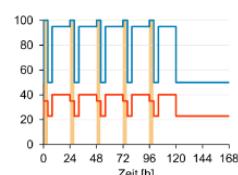
Kurzbiegeversuch

Eigenspannungen



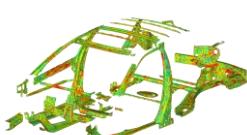
Thermisch induzierte Eigenspannungen
Analyse (links) und Lösung (rechts)

Korrosionsverhalten



VDA-Wechseltest, Salzsprühnebeltest, etc.

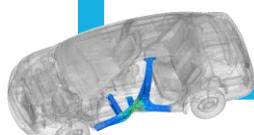
Auslegung



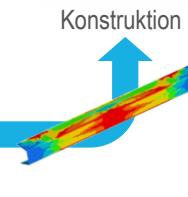
Potenzialidentifikation



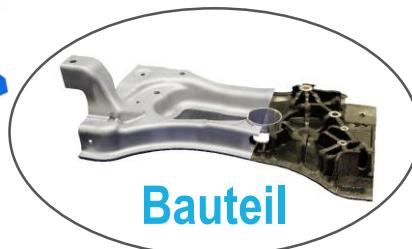
Konstruktion



Komponentenanalyse



Strukturauslegung



Recycling

Hybride FKV-Metall
Struktur



Recycelte
Carbonfasern

Sortenreine
Einzelstrukturen

Prozesstechnik



Prepregressen



Resin Transfer Moulding



Fließpressen



Quasi-statisch



Dynamisch



Zyklisch

Validierungsversuche

Bei Interesse melden bei:

Julian Lückenkötter, M. Sc.
Teamleiter FKV-Hybrid

Telefon: +49 5251 60-5949
E-Mail: julian.lueckenkotter@upb.de

Web: leichtbau-im-automobil.de
Büro: Y1. 208