



Alkatuff®



FINITE ELEMENT ANALYSIS

ALKATUFF® LL711UV ALKATUFF® LL705UV



FINITE ELEMENT ANALYSIS

FEA is a mathematical technique used to predict the performance of geometrically complex structures, such as rotationally moulded products. This allows computer prediction of the performance of the moulded article. This saves the rotomoulder time and money when compared to conventional mould development. It can also be used to solve performance problems with existing mouldings.

An essential requirement for the successful application of FEA modelling is the material property data. This must be determined for the specific material used for the moulded item. Tensile, Flexural, Compressive, Shear, Torsion and Creep data have been determined for Alkatuff® LL711UV and Alkatuff® LL705UV by independently accredited laboratories.

Genos has this FEA information available to allow rapid product innovation using computer simulation with Alkatuff® LL711UV and Alkatuff® LL705UV LLDPE.

Note: Generated data is valid only for Alkatuff® LL711UV and Alkatuff® LL705UV resin.

For details on Alkatuff® FEA Data contact e-mail: fea@genos.com



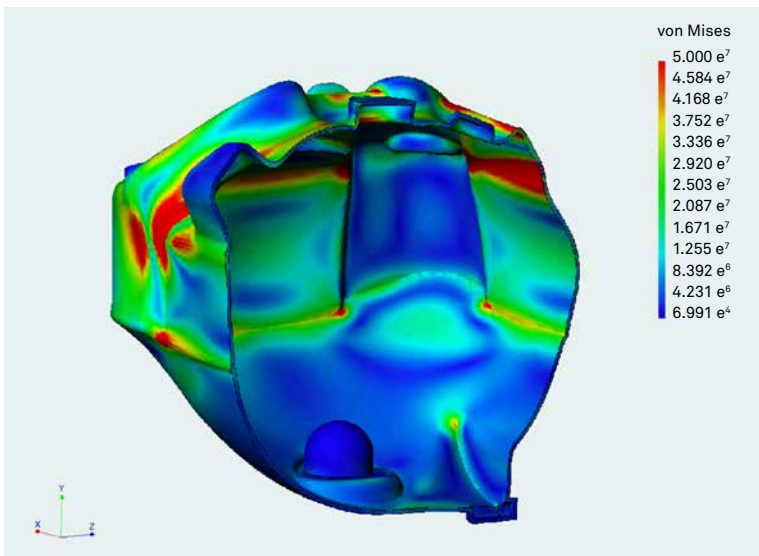
ALKATUFF® POLYETHYLENE

Alkatuff® LL711UV meets all Raw Material requirements set out in **AS/NZS4766** – Polyethylene storage tanks for water and chemicals.

Alkatuff® complies with:

- AS 2070 Australian Standard for Food Contact
- AS 4020 Australian Standard for Drinking Water
- ISO 9001/AS3901 Quality System for development and design, production, servicing and installation
- FDA Regulation CFR 21.

A Member of ARM Australasia. For information on Genos Alkatuff® please contact Genos on the details below.



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