



# Alkatuff®



## FINITE ELEMENT ANALYSIS

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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](mailto:fea@genos.com)



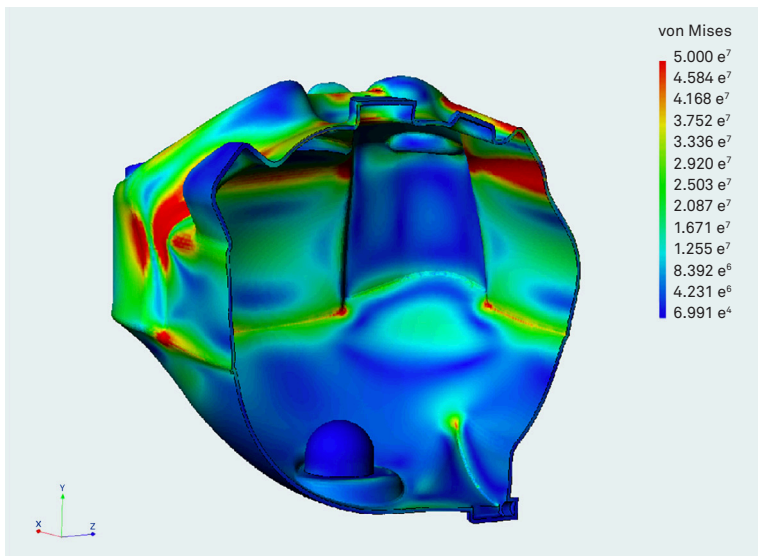
## ALKATUFF® POLYETHYLENE

Alkatuff® LL711UV meets all Raw Material requirements set out in **AS/NZS 4766** – 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 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.



Genos Pty Ltd  
471 Kororoit Creek Rd  
Altona Victoria 3018 Australia  
Phone 1800 682 379  
Fax 1800 638 981  
ABN 62 054 196 771  
[genos.com/roto](http://genos.com/roto)

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