



Alkatuff®



HYDROSTATIC DESIGN STRESS

ALKATUFF® LL711UV



HYDROSTATIC (HOOP) DESIGN STRESS

ASTM D2837 defines Hydrostatic Design Stress (HDS) as “the estimated maximum tensile stress in a wall of pipe in the circumferential orientation due to internal hydrostatic pressure that can be applied continuously with a high degree of certainty that failure of the pipe will not occur”.

HDS is a grade specific value, mathematically determined using Hydrostatic Data gathered in accordance with accepted standards. The HDS value allows a designer (or moulder) to design a product to specific requirements or to confirm that existing products conform to an accepted standard.

Genos has had the Long-Term Hydrostatic Strength and the Hydrostatic Design Basis of Alkatuff® LL711UV and Alkatuff® LL705UV determined by accredited laboratories in accordance with ASTM D2837 using the methodology of ASTM D1598. Genos now has Hydrostatic Design Basis data available for rotomoulders using Alkatuff® LL711UV and Alkatuff® LL705UV LLDPE.

Note: Generated data is valid only for resin.

For details on Alkatuff® LL711UV and Alkatuff® LL705UV hydrostatic design basis (hoop stress), contact e-mail: hoopstress@qenos.com



ALKATUFF® POLYETHYLENE

Alkatuff® LL711UV meets all Raw Material requirements set out in **AS/NZS 4766** – Polyethylene storage tanks for water and chemicals.

Alkatuff® LL711UV and Alkatuff® LL705UV comply 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.



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