Qenos

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.

Qenos 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. Qenos 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

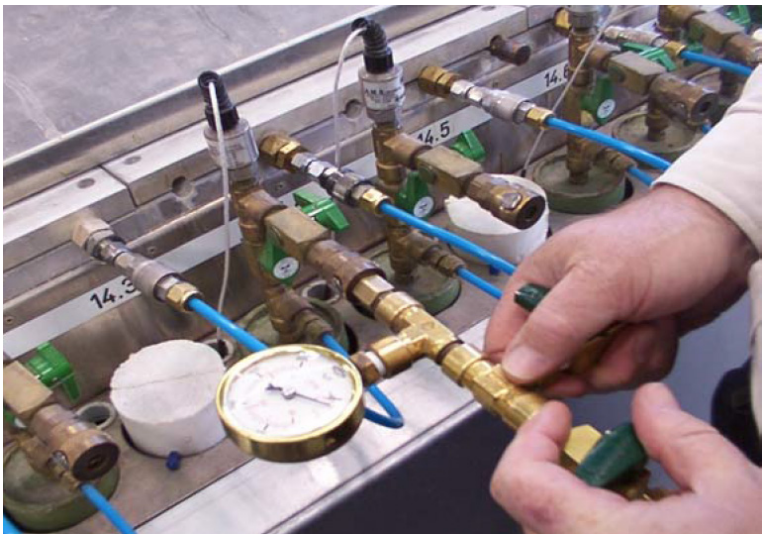
ALKATUFF® POLYETHYLENE

Alkatuff® LL711UV meets all Raw Material requirements set out in **AS/NZS4766** – 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/AS3901** Quality System for development and design, production, servicing and installation
- **FDA Regulation CFR 21**.

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



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Quality System
Quality Endorsed Company

AUSTRALIAN MADE