

Gable Top & Aseptic Containers

Key Messages From a Newsprint
Deinking Mill

Gable Top Containers

- By design of product, the poly coated on two sides will not allow water to penetrate into product or product to seep out of container
- Wet Strength added to fiber core further inhibits repulping action
- This prevents the gentle pulping action installed in most North American Newsprint Deinking mills from breaking the poly and fiber apart to reclaim the fiber
- Result is nearly 100% yield loss as Pulper Rejects

Aseptic Containers

- By design of product, the poly coated on two sides along with a foil layer in between, will not allow water to penetrate into product or product to seep out of container
- This greatly impacts the gentle pulping action installed in most North American Newsprint Deinking mills from breaking the poly and fiber apart to reclaim the fiber
- Repulping to sum extent can occur due to the lighter weight and lower overall strength of Aseptic Container as compared to Gable Top Containers
- At best a 30% yield loss as Pulper Rejects can be expected – foil and poly liners portion of the container

Summary

- MRF's are currently not effective at sorting out these containers
 - Sort efficiency impacted by size and shape of container
 - Limited Domestic markets mean less focus on removing containers and thus allow them into ONP or Mixed Paper
 - Export market does not want them in their paper grades but as history tells us – they will take them and pay premium prices
- Impact of yield loss is another negative cost for North American Newsprint Deinking mills already highly impacted by poor quality of ONP generated from Curbside Single Stream programs
- A Solution ?? – Develop the technology to separate containers at the MRF such that they can be directed to the correct grade and therefore, fully recycled using the correct technology.