



Problem/Opportunity

Cap & Closure Scrap Polymer Recovery Achieved

CASE STUDY 09091

Contaminant Removal



Below: Highly contaminated feed from grinding operation prior to removing paper & metal.

Problem/Opportunity:

A major manufacturer of PP caps and closures was generating scrap at their manufacturing facilities. This material was generated as intact closures (*i.e. caps*) or could be pre-ground. In both cases the material was not suitable for use in manufacturing new caps and closures.

Impact on Customer:

During manufacturing, the cap and closure companies generate start up scrap, color change-over's, and bad parts. Selling this material off for pennies or land filling the scrap has been their only solution in the past. As a result of the inability to use this material, new prime materials were required to be purchased to replace this scrap.

Butler-MacDonald's Solution:

Butler-MacDonald was able to utilize our proprietary separation capabilities which included the use of a *state-of-the-art* melt-filtration process to recover a melt-filtered pellet.



Result: 100% Pure Reppo Polypropylene

Result:

The customer is now able to use this material supplemented with a colorant to close-loop the polypropylene back into new caps and closures. The net effect is a significant cost savings by no longer paying the cost of land fill and it allows a substantial reduction in their prime resin expenditures. Moreover, this increased the use of recycled content through a partnership created with Butler-MacDonald.

Let Butler-MacDonald create a solution for you — call us.



RECOVERING VALUE FROM UNUSABLE PLASTIC™

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