

PolyCal™

Calcium Carbonate Concentrates for Extrusion Coating

- Significant Savings on Raw Material Costs
- Increased Productivity
- Improved Performance



Improve Profitability, Productivity, and Performance

Replacing a portion of the resin with a calcium carbonate concentrate such as PolyCal™ can result in significant savings depending on current resin pricing and percentage of concentrate used.

Higher line speeds, increased outputs, better adhesion, Ease of conversion, improved COF, printability, and better barrier are among the many performance improvements that are possible with the addition of PolyCal™.

Product Description

PolyCal™EC - 76% of a CaCO₃ in LDPE

PolyCal™LC - 80% of a CaCO₃ in LLDPE

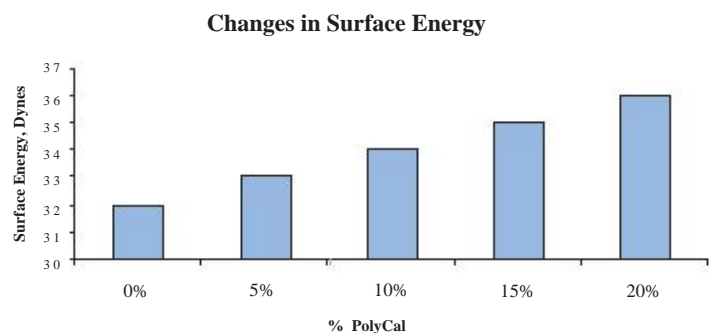
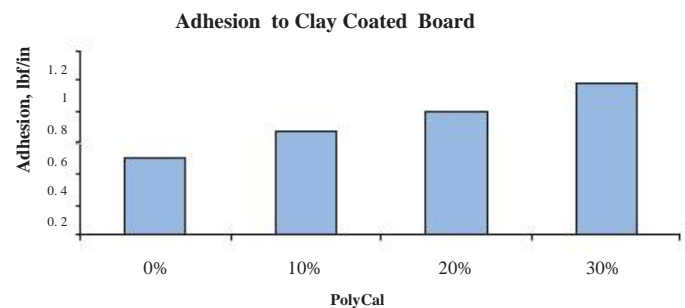
PolyCal's are specifically formulated for use in the wide range of extrusion coating resins currently used in this demanding high temperature process. PolyCal™ has been blended in at levels ranging from **5 – 30%**, depending on the application.

What to Expect During Processing

- PolyCal™ concentrate can be added at levels ranging from 5-30% via side feeders at the hopper or using central blend stations.
- No changes in temperature profiles are required; however, optimized performance while maintaining adhesion may be possible with lower temperatures.
- Higher outputs and line speeds are often realized.

Physical Property Improvements

PolyCal™ improves the coating adhesion of a variety of substrates, particularly flame-treated, clay-coated board without primer coating. PolyCal™ also modifies the coating surface which increases the surface energy and improves the print quality. Improved sheet feeding and converting performance and higher seal strengths are often realized. The mineral addition also improves the barrier properties and reduces both the coating WVTR and OTR.



PolyCal™ is a registered trademark of Heritage Plastics, Inc.

Heritage Plastics, Inc.
1002 Hunt Street
Picayune, MS 39466 USA

800.245.4623
Fax 601.798.1946
www.heritage-plastics.com



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