



## BENEFITS

- Sustainable Feedstock
- Drop-in Performance
- Commercially Available

## TARGET MARKETS

- Hot Melt Adhesives
- HM-PSAs

## ADDITIONAL INFO

- [www.crayvalley.com/ASC2017](http://www.crayvalley.com/ASC2017)

## Wingtack® EXTRA F30 – The Next Generation

### Introduction

For decades the Wingtack® product line had been leading the market in quality and performance with its broad range of C5 tackifying resins.

We are pleased to announce the addition of a new member to the family: Wingtack EXTRA F30 based on a **sustainable** feedstock.

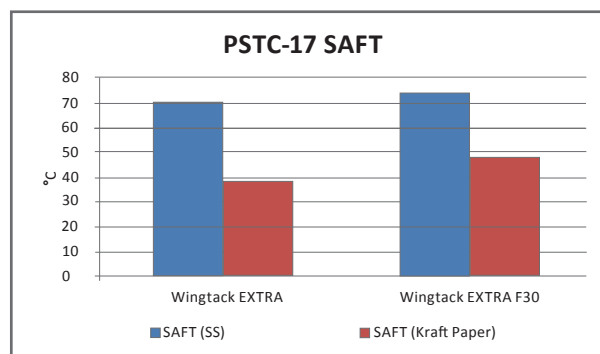
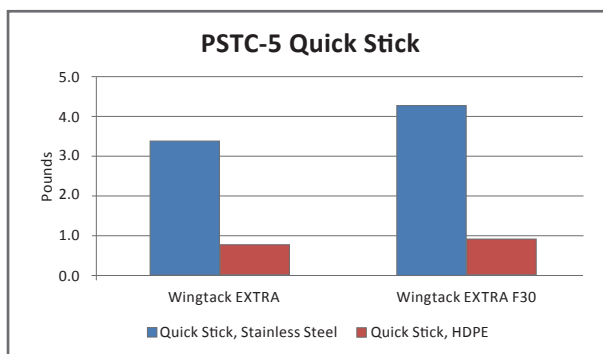
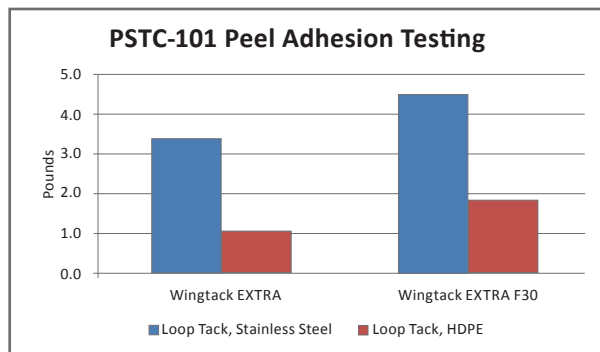
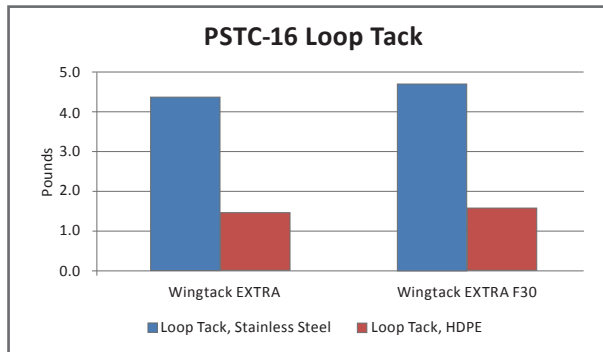
Wingtack resins are today manufactured with Piperylene (1,3 pentadiene) as the main feedstock. With growing cost and supply instability, alternative raw material sources are receiving more attention. (E)- $\beta$ -farnesene is an industrial monomer produced by Amyris, under the trademark Biofene®, from sustainable feedstocks at high purity in commercial quantities.

TOTAL Cray Valley has developed the next generation Wingtack EXTRA using  $\beta$ -farnesene at 30% as a replacement for piperylenes.

We can report that the unique structure of  $\beta$ -farnesene enables Wingtack EXTRA F30 to perform as well as industry leader Wingtack EXTRA. The proof is in the

successful evaluation in conventional Hot Melt Adhesives (HMA) and Hot Melt Pressure Sensitive Adhesives (HMPSA) with an emphasis on both adhesive performance and rheological effects.

The following figures demonstrate the close comparison between Wingtack EXTRA and Wingtack EXTRA F30 in these industry standard tests:



## About TOTAL Cray Valley

TOTAL Cray Valley is the premier global supplier of specialty chemical additives, hydrocarbon specialty chemical, and liquid and powder tackifying resins used as ingredients in adhesives, rubbers, polymers, coatings and other materials. TOTAL Cray Valley has pioneered the development of these advanced technologies, introducing hundreds of products that enhance the performance of products in energy, printing, packaging, construction, tire manufacture, electronics, and other demanding applications.

For more information, please visit [www.crayvalley.com](http://www.crayvalley.com)

### TOTAL Cray Valley (TCV)

665 Stockton Drive, Suite 100  
 Exton, PA 19341, USA  
 1.877.US1-CRAY

\*The listed properties are illustrative only, and not product specifications. TOTAL Cray Valley disclaims any liability in connection with the use of the information, and does not warrant against infringement by reason of the use of its products in combination with other materials or in any process.

CV1263.3.17