

# Value-added solution for PP raffia tapes

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Manufacturers of PP raffia packaging are looking for added-value materials that lower packaging costs and improve line speed. The versatility of Vistamaxx™ performance polymers can provide innovative opportunities to meet the emerging market needs for better packaging integrity and higher packaging efficiency.

## Key advantages

### Improving the AFMB compounding process

- Better dispersion of filler
- Higher filler loading
- Lower processing temperature

### AFMB with Vistamaxx polymers enables

- Improved PP tape performance
- Higher AFMB let down
- Cost saving opportunities

## Reduced costs through enhanced AFMB

To reduce the costs of PP tapes, manufacturers are looking to use higher percentages of anti-fibrillation masterbatch (AFMB). Vistamaxx polymers are highly compatible with PP and when blended with homo-polypropylene (hPP) resin as a carrier in AFMB, they:

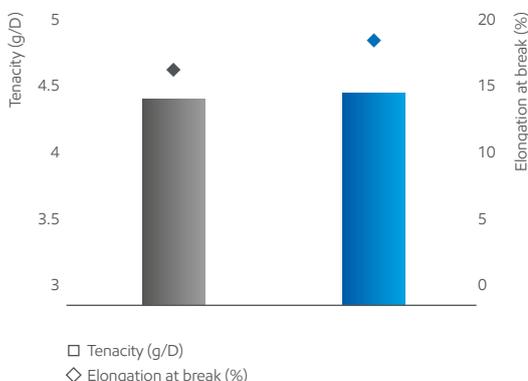
- help improve the AFMB compounding process
- allow further cost savings through higher filler let down, while maintaining tape properties

## Improved compounding process

Using Vistamaxx polymers as a carrier in masterbatch compounds leads to better dispersion, improving the compounding process and the tape's properties. Vistamaxx 6202 (MFR 20) helps reduce processing temperature and the need for processing aids. The use of Vistamaxx 6502 (MFR 48) can further enhance flow and lead to increased energy savings.

## Higher filler let down to reduce costs

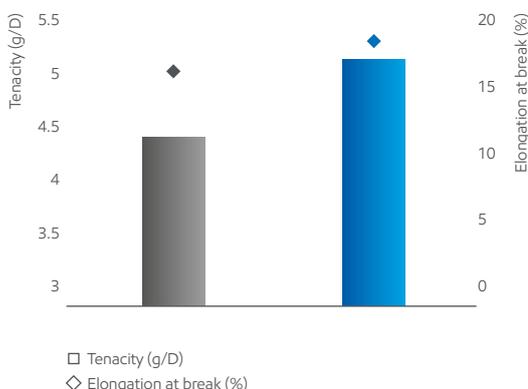
A Vistamaxx™ performance polymer-based AFMB allows for more filler let down compared to a conventional AFMB, reducing the raw material costs of the tapes. And, because Vistamaxx polymers improve the elongation of the tape, they help lessen tape breakage during tape making and weaving, which enables faster line speeds to improve output.



	Reference	Masterbatch with Vistamaxx polymers
Tape	80% hPP 20% hPP-based masterbatch	70% hPP 30% Vistamaxx-based masterbatch
Masterbatch	85% CaCO <sub>3</sub> 15% hPP	85% CaCO <sub>3</sub> 7.5% hPP 7.5% Vistamaxx 6202

## Enhanced performance

Apart from cost savings, manufacturers of PP raffia packaging are also looking for enhanced performance of their product. Using Vistamaxx polymers blended with hPP as a carrier in AFMB, enables the production of tapes with improved elongation and tenacity at the same masterbatch level.



	Reference	Masterbatch with Vistamaxx polymers
Tape	80% hPP 20% hPP-based masterbatch	80% hPP 20% Vistamaxx-based masterbatch
Masterbatch	85% CaCO <sub>3</sub> 15% hPP	85% CaCO <sub>3</sub> 7.5% hPP 7.5% Vistamaxx 6202

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