

FX Perox[®]

A brand of FX Flow Xpress[®]

THE PEROXIDE MASTERBATCH



THE PEROXIDE MASTERBATCH

CONTROLLED POLYOLEFIN MODIFICATION

PP MFI Increase

PE MFI Decrease

PE Crosslinking

PP CARRIER MASTERBATCH BENEFITS



Optimized dispersion








Safe & easy handling



Controlled reactivity

FUNCTIONAL BENEFITS & WHY USING OUR PEROXIDE MB ?

-  Controlled MFI adjustment
-  Enhanced Melt Strength
-  MFI consistency / narrow specifications
-  Safe & easy to dose solutions
-  Compatible with virgin & recycled polymers

Why Us ?

Process-ready solutions
Worldwide distribution network
30 Years of experience & technical support



THE END-MARKETS WE SERVE

Recycling



Packaging



Injection



Textile
&
Fiber



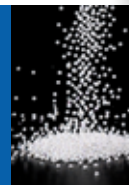
Automotive



GMT /
Thermoforming



Compounding



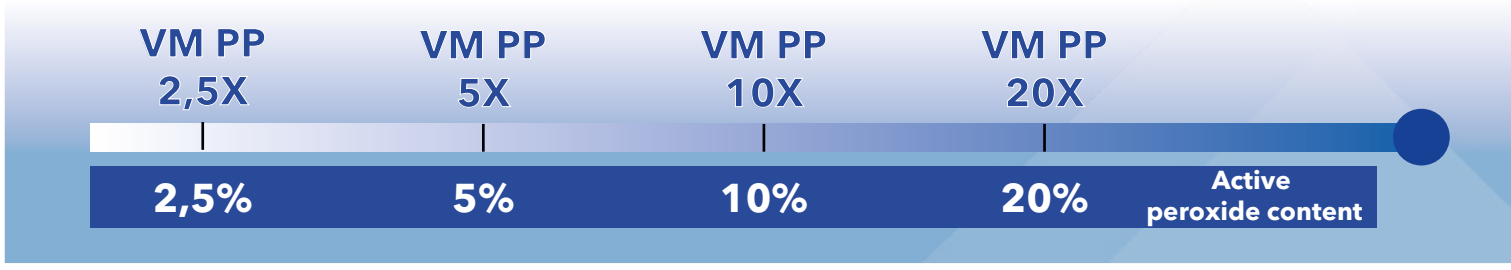
Cable
&
Pipe



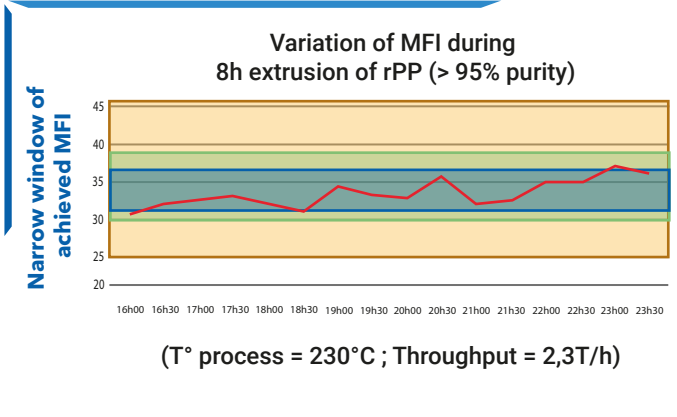
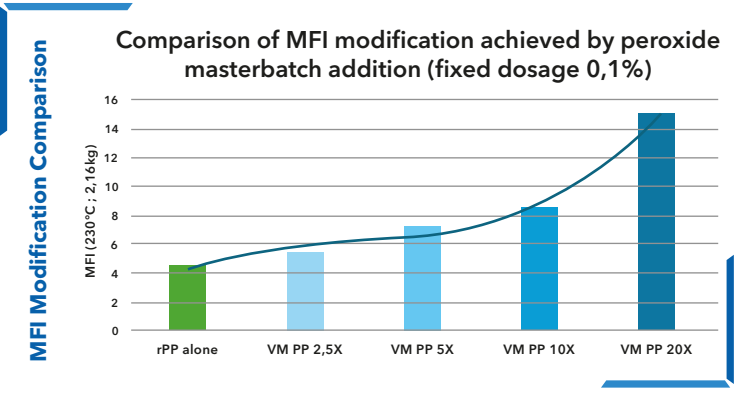
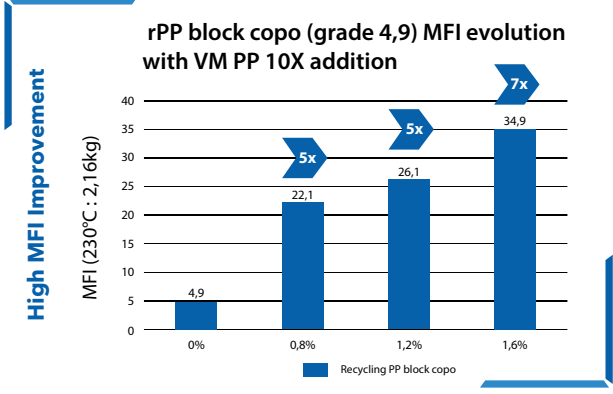
www.products-polytechs.com

RECYCLING

Upgrade your recycled PP with controlled rheology (↗ MFI)



PEROXIDE MB PERFORMANCES



Customer Specifications

Starting Point : rPP Flakes with MFI (230°C, 2.16kg) = 15 g/10min
 Specifications targeted MFI (230°C, 2.16kg) = 30 - 38 g/10min

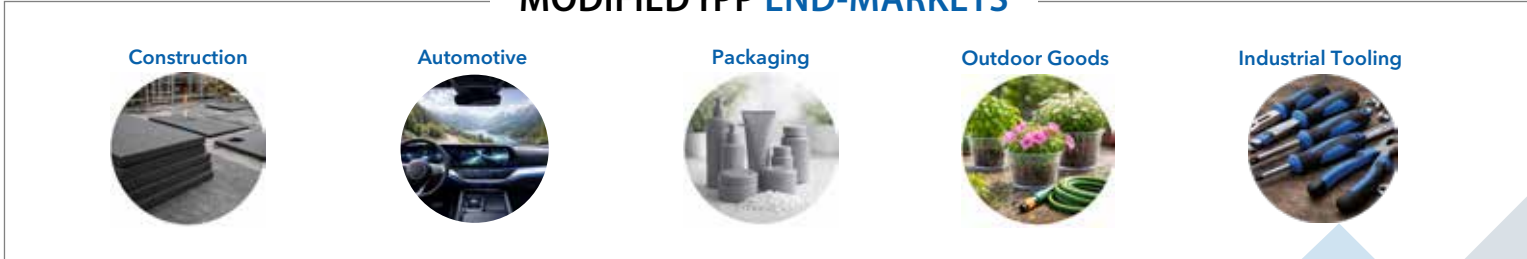
VM PP 20X grade (300 ppm of active peroxide)

Controlled & Accurate Rheology (> 95% within MFI specifications)

40% BIBP on CaCO₃ in compacted form (250 ppm of active peroxide)

For each batch made with 40% BIBP on CaCO₃ : 40% to 50% of the produced material being out of MFI specifications

MODIFIED rPP END-MARKETS



Virgin PP



TOP 3 BENEFITS OF FX PEROX® ADDITION



1 PP CONTROLLED RHEOLOGY

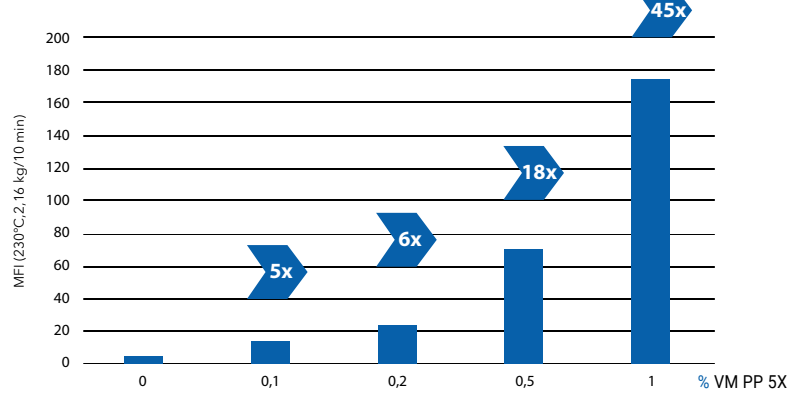


2 PP GRADES RATIONALIZATION



3 OPTIMIZED FLOW BEHAVIOR DURING IMPREGNATION AND MOLDING

PP copo MFI evolution with VM PP 5X addition (%)



VM PP MARKET

Injection



Textile & Fiber



GMT / Thermoforming



Compounding



Virgin PE

TOP 3 BENEFITS OF CROSSLINKED PE



THERMAL RESISTANCE



MECHANICAL INTEGRITY



RHEOLOGY CONTROL



MAIN XLPE END-MARKETS

Foamed Sheets



Cable



Pipe



Compounding

