

# NanoXPLORE

Performance Through Carbon Chemistry



REPLACE CONVENTIONAL ADDITIVES WITH



**GRAPHENE MB™**  
A Product of NanoXPLORE

Industrial  
Volume

Proprietary  
Technology

Low-Cost

A REVOLUTIONARY ADDITIVE MASTERBATCH THAT IMPROVES OVERALL  
PRODUCT PERFORMANCE AT LOW LOADINGS

WHY PAY MORE TO ACHIEVE YOUR SUSTAINABILITY OBJECTIVES?

Increase the recycled content in your end-products and achieve the same  
quality and performance of virgin resins



Superior resin  
performance



Increase recycled  
content



Improve  
processability



Achieve  
sustainability



Improve  
processability



Achieve  
sustainability



Improve  
processability

UTILIZE THE POWER OF GRAPHENEMB™

Low Let-Down-Ratios of GrapheneMB™ protect plastics from the detrimental effects of multiple recycling processes - increasing the lifetime of your end-products.

This will allow you to reach your **sustainability** targets and contribute positively to the **circular economy**.

#### Improved Mechanical Properties



Tensile, flexural,  
elongation

#### Oxidation & Weathering Resistance



Prevents polymer  
degradation

#### Cost Reduction



Increases the use of  
recycled resins and  
decreases the need for  
other additives

#### Multiple Processing Cycles



Without loss of  
performance

#### Color Uniformity

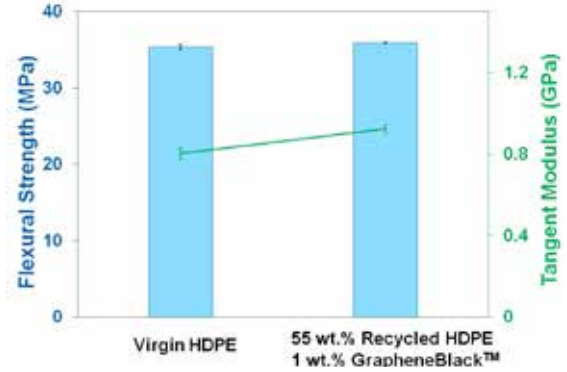
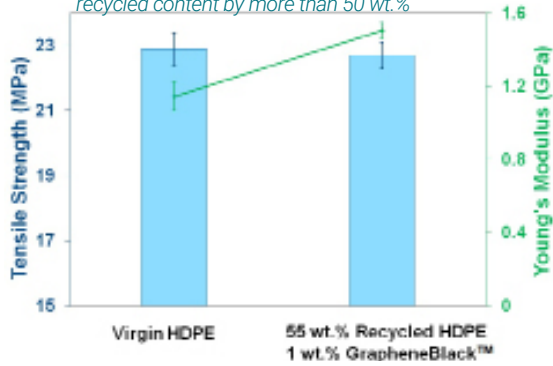


Improve appearance  
and surface finish of  
end-products



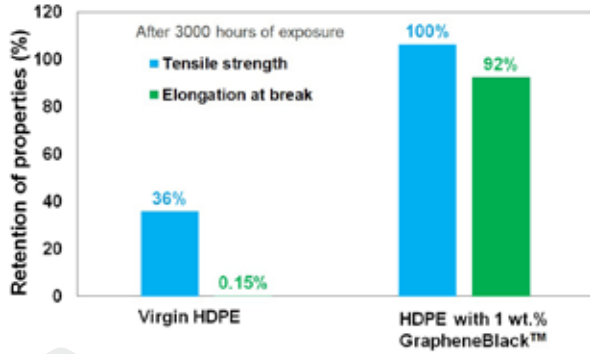
### Mechanical Properties

Tensile and flexural properties of the blend containing 55 wt.% recycled HDPE and 1 wt.% GrapheneMB™ will allow you to increase recycled content by more than 50 wt.%.



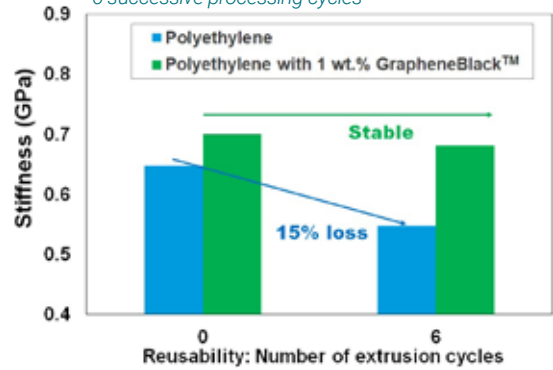
### UV & Weathering Resistance

Over 90% retention of mechanical properties after 3000 hours of UV and weathering exposure



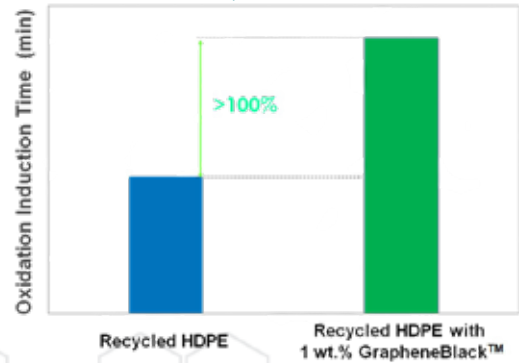
### Recyclability

The stiffness of HDPE remains unchanged even after 6 successive processing cycles



### Oxidation Induction Time

Over 100% increase in Oxidation Induction Time with 1 wt.% GrapheneBlack™



## ABOUT NANOXPLORE

TSX.V: GRA | OTCQX: NNXPF

NanoXplore is a graphene company: a manufacturer and supplier of high-volume graphene powder for use in industrial markets. The company provides standard and custom graphene-enhanced plastic and composite products to various customers in transportation, packaging, piping, electronics, and other industrial sectors. NanoXplore is headquartered in Montreal, Quebec with manufacturing facilities across North America and Europe.

### Contact Us

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