

## Product Data Sheet

### ExTima™ GP MB PET 220

**ExTima™ GP** is a Graphene/Polymer master batch family of compounds based on a proprietary ExTima technology of Ovation Polymers. Our proprietary ExTima™ dispersion technology maximizes the effect of Nano materials, in this case graphite nano-platelets in polymer.

ExTima™ GP MB PET 220 is a PET/graphene masterbatch based on an injection molding grade PET. This master batch easily blends and disperses using injection molding and extrusion processes while retaining the physical, structural, and thermal properties of the base polymer.

The ExTima™ GP product line is customizable depending on the product application and desired properties. The graphene nanoplatelets sizes can also be varied from 5µm through 25µm.

Physical Data	Unit	Typical Value
Form		Pellet
Concentration of graphene	%	≤ 20
Base/Carrier Resin		PET
MFI of base PET @ 265° C , 2.16 Kg	g/10 min	15
Suggested letdown of MB*	%	30-50

\*The suggested letdown will vary depending on product application, polymer resin, and property performance requirements.

All properties are measured after 48 hours of conditioning at 23°C and 50% relative humidity. All samples are prepared according to ASTM standards. Variations within normal tolerances are possible for various types of colors and functional properties like UV resistance.

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