

## PEI Masterbatch

Colors for High-Temperature Injection Molding Applications

### Product Description

PEI colorants from Colorant Chromatics can color polyetherimide resin used in high-temperature injection molding applications. PEI offers excellent resistance to heat and fire and dimensional stability, making it ideal for a variety of applications in industries such as aerospace, automotive, telecommunications and healthcare.

These PEI colorants help boost color consistency and streamline product development for increased speed to market. Formulations are heavy metal-free and manufactured using state-of-the-art pigment dispersion techniques that improve homogenization and color distribution during injection molding.



### Value to Your Business

#### Why Colorant Chromatics PEI colorants?

Colorant Chromatics PEI colorants can support your business by:

#### Improving Inventory Control:

- Opaque PEI masterbatches are available with short lead times and a range of readily available standard colors, with minimum order quantities as low as 5kg (10lbs). Order what you need, when you need it.

#### Improving Production Efficiencies:

- Consistent coloring and improved homogenization with the polymer offer more efficient processing and reduced waste.

#### Providing Flexibility to Differentiate into New Markets:

- Robust colorant formulations cause zero disruption to existing molding processes enabling manufacturers to take new products to market faster without needing to invest in new machinery.



## Features and Colors

PEI colorants are manufactured using 100% prime virgin PEI resin and color specifications are controlled using the L,a,b color system.

There are ten standard colors in this range. Custom colors and pigment loadings can be developed for specific applications.

Standard Colors			
Product	Color	LDR <sup>1</sup>	Pantone No <sup>2</sup>
680.00	Black	2%	Black 3C
680.01	Brown	6%	4625C
680.02	Red	15%	7621C
680.03	Orange	6%	1595C
680.04	Yellow	6%	605C
680.05	Green	6%	7732C
680.06	Blue	10%	7697C
680.07	Violet	15%	7665C
680.08	Grey	5%	7539C
680.09	White	12%	7499C

<sup>1</sup> Recommended addition rates. Color will vary depending on the coloration design requirements and the end product thickness.

<sup>2</sup> Pantone reference is the closest possible.

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