



INTRODUCTION TO MAFIC AND BASALT FIBER

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MAFIC Overview

- **Background**
 - Private Company
 - Founded in Dec 2012
- **Mafic Production**
 - Kells Ireland – Current Basalt Fiber Production
 - NEW Shelby, NC USA- 2018 Basalt Fiber production
- **Product Lines**
 - Continuous & Chopped Basalt Fibers
 - Partnerships to create composite materials, processes and applications

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INTRODUCTION TO BASALT

- Basalt fiber is made from basalt rock
- Basalt was lava that rapidly cooled to form igneous rock
- Basalt rock about is one third of Earth's crust





WHY BASALT

- Basalt fiber is well positioned to fill the gap between glass fiber and carbon fiber
- Basalt Fiber's performance makes it a great option for light weighting
- Low cost means performance improvement can be achieved without switching to carbon

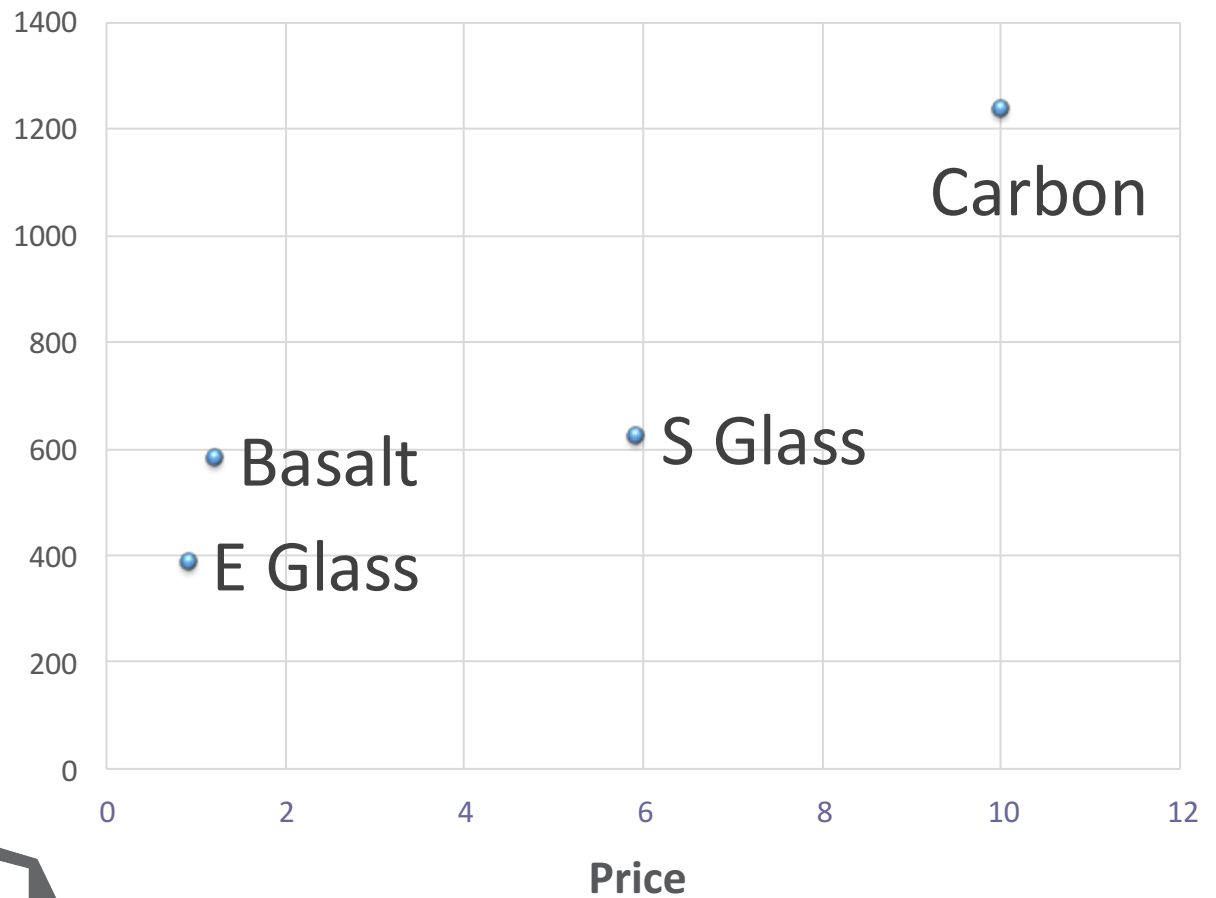




PERFORMANCE AND SAVINGS

S-Glass Performance at Near E-Glass Price

**Tensile Strength
in Composite**





KEY BASALT FIBER TAKEAWAYS

- Immediate drop in improvement over glass
 - Lighter Parts
 - Stronger Parts
 - Cost Effective



THANK YOU

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