

FiberLink™ 101S

Treated Ground Calcium Carbonate for Nonwoven and Fiber Applications

QUALITY MINERAL PRODUCTS ENRICHING OUR DAILY LIFE

FiberLink™ 101S is a premium, ultra fine particle size, wet ground marble specifically designed for use in fiber products. The raw powder can be added directly to powdered resin, but should be compounded when using pelletized resin. The powder is post treated to reduce the level of agglomerates.

Benefits of Mineral Additives in Nonwovens

- *Improved Stiffness*
- *Improved Thermal Conductivity => Faster Throughput*
- *Improved Dart Impact (up to 20% loading)*
- *Increased Opacity*

Cost Savings:

- *Replacement of resin with a lower cost raw material*

Lower Carbon Footprint:

- *Treated GCC has smaller carbon footprint than PP and PE resins**

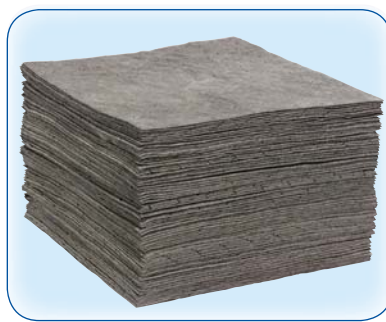
Applications

FiberLink™ 101S is ideal for the following applications:

- *Spunbond Webs*
- *Melt Blown Webs*
- *Staple Fibers*



Spunbond



Melt Blown



Needlepunch

Imerys Ground Calcium Carbonates Offer...

- ✓ *High Purity*
- ✓ *High Whiteness*
- ✓ *Proven Performance*
- ✓ *Formulation Flexibility*
- ✓ *Superb Value*

* Based on 2007 Cradle-to-Gate Life Cycle Inventory of treated GCC conducted by Imerys.



treated ground calcium carbonate

performance minerals north america

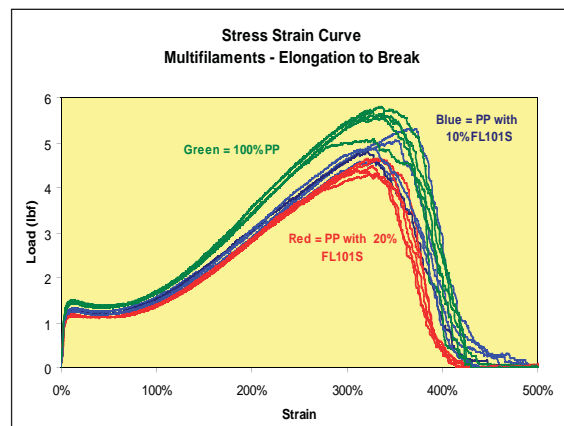
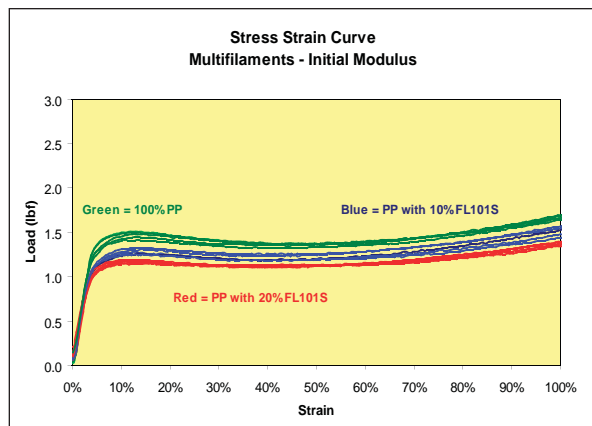
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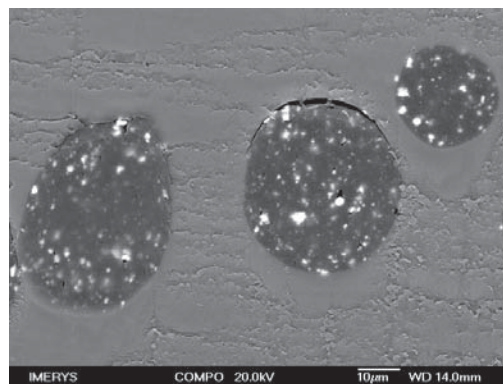
The Nonwoven Institute at NC State Staple Nonwoven Laboratory Trials



- Up to 20% loading of FiberLink™ 101S treated ground calcium carbonate
- Staple fiber trials using PP resin concentrate
- Needlepunch nonwoven fabrics produced at 2.2 oz/sq yd and 6.0 oz/sq yd



Staple Fiber Cross Section at 20% CaCo3 loading



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