

# Fiber Up Your Friction Materials

With Innovative Savings and Improvements



**ARBOCEL®**

Green Processing Fiber for Modern Friction Parts



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GMBH + CO KG



Fibers designed  
by Nature

## ARBOCEL® – The Functional Green Fiber for Safe Brake Pads



**ARBOCEL® is an approved substitute for harmful asbestos fibers and expensive synthetic fibers.**

**ARBOCEL®** – the cellulose fiber with a structured surface for brake pad formulations. Specially designed fiber types with tailor made properties are available for a wide range of applications.

### Application

Used as a multifunctional process fiber with 2-3 % in the pre-mixing and main mixing manufacturing processes.

- **Basic compounds:** For the granulation of elastomers e.g. using kneaders.
- **Main compounds:** As a multifunctional fiber for the homogenizing and reinforcing of mixing components.



### Industries

- Automotive OEM
- Automotive after market
- Rail vehicles
- Industrial linings



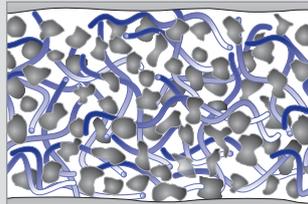
# Economic Savings and Improvements in Processing and Usage



## Functions with Added Value

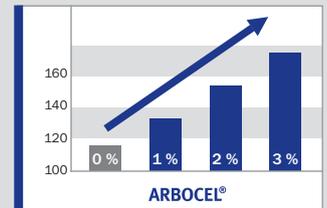
### Stabilizing of Mixing Components

- Stabilize brake pad mixes against separation of different mixing components.



### Economic Pre-Forming Strength

- Improving of the pre-forming strength by fiber reinforcement.



### Higher Protection by Dust Reduction

- Improved working protection against dust during mixing and dosing. Saving costs of additional equipment.



### Constant Friction Properties by Pore Creator

- Improved friction properties on brake pad surface by pore creating while usage.





BUSINESS UNIT

CHEMISTRY

## JRS – Your Strong Systems and Technology Partner

### JRS – YOUR Qualified Partner – worldwide



- Worldwide logistics and presence
- High availability and efficient, high-capacity production
- In-house research and development, application services
- Over 250 technical representatives around the world
- Decades of experience and comprehensive application know-how
- Quality manufacturing according to ISO 9001

### Benefit from the Know-how and Experience of a Skilled Partner

- Implementation of initial basics trials in own laboratory and application centers
- Our global network of production plants deliver our green processing additives directly to your location

Get in touch with us and use the next step for your innovative green friction materials!

