



HIGH-PERFORMANCE SILICA SOLUTIONS FOR TIRES

轮胎用高性能二氧化硅解决方案



Stock Code: 301059

ABOUT US | 公司简介

Jinsanjiang (Zhaoqing) Silicon Material Co., Ltd. was officially established in 2003 and successfully listed in 2021 (stock code: 301059), is a functional silica solution provider which is customer-oriented and innovation-driven, providing solutions beyond customer expectations by tailor-made silica materials.

金三江(肇庆)硅材料股份有限公司, 2003年正式成立, 2021年成功上市(股票代码: 301059), 是一家以客户为中心、以创新为驱动的功能性二氧化硅解决方案提供商, 通过定制化硅材料, 为客户提供超越期待的解决方案。

Innovation: To provide customers with solutions that beyond expectations by our innovation-driven R&D team, Industry-university-research integration cooperation and efficient customization from requirements to solutions.

创新: 通过创新驱动的研发团队、产学研一体化合作、从需求到解决方案的高效定制, 为客户提供超越期望的解决方案。

Quality: Our product Quality is ensured by Intelligent production, comprehensive quality control system and strictly Complying with quality and safety standards.

质量: 我们的产品质量由智能生产、全面的质量控制体系和严格遵守质量和安全标准来保证。

Service: We believe in the "customer-oriented" corporate values. We have established warehouses and localized operation teams in Poland and Mexico to quickly respond to the needs of global customers.

服务: 我们信奉“以客户为中心”的企业价值观, 在波兰、墨西哥设立仓库和本地化运营团队, 快速响应全球客户需求。

Jinsanjiang (Zhaoqing) Silicon Material Co., Ltd
金三江(肇庆)硅材料股份有限公司

☎ (+86 20)8735 8092

🌐 www.jsj-silica.com(English/英文) 🌐 www.gz-silica.com(Chinese/中文)

📍 No.15 Chuangye Road, High-tech Zone, Zhaoqing, Guangdong, China.

📍 广东省肇庆市高新区创业路15号 ✉ marketing@jsjgcl.com



LinkedIn



WeChat



Facebook



High Dispersion Silica for Tire
TIRESIL/MODISIL 轮胎

High-Performance Silica Solutions for Tires

轮胎用高性能二氧化硅解决方案



Learn More about Specific Technical Data

进一步了解具体的性能指标

TIRESIL series are highly dispersible silica grades specially developed for tire applications. As the primary reinforcing filler for green tires, they significantly boost the mixing and processing efficiency of tire formulations, deliver superior silica dispersion, and allow higher silica loading in compound recipes. Meanwhile, they enhance the tire's wet grip performance and reduce rolling resistance, improving vehicle driving safety and fuel efficiency, and enabling tires to achieve higher grading under the EU Tire Label Regulation.

MODISIL series are high-performance modified silica products engineered exclusively for tires. Representing a new generation of tire-grade silica, they deliver lower VOC emissions during tire compound processing, elevate mixing efficiency, cut energy consumption and mitigate environmental pollution. When adopted in high-silica-loaded tire formulations, the new-generation MODISIL series drastically improve tire abrasion resistance and rolling resistance performance, making them particularly suitable for electric vehicle (EV) tires.

TIRESIL系列产品是专为轮胎开发的高分散二氧化硅产品。作为绿色轮胎使用的主要补强填料，它可大幅提升轮胎配方的混炼加工效率，获得优异的白炭黑分散水平，提高白炭黑在配方当中的使用份数。同时，它亦可提升轮胎的抗湿滑性能和降低滚阻，改善整车的行驶安全性和燃油经济性，使轮胎产品获得更高的欧盟标签法等级标签。

MODISIL系列产品是专为轮胎开发的高性能改性二氧化硅产品。作为新一代的轮胎用白炭黑产品，它可以为轮胎配方的加工提供更低的VOC排放，更高的混炼加工效率，降低能源消耗，减少环境污染。新一代的MODISIL系列产品，在高份数白炭黑填充的轮胎配方使用时，可大幅改善轮胎的磨损和滚阻性能，尤其适配EV轮胎。

Model 型号	TIRESIL 85MP	TIRESIL 115MP	TIRESIL 165MP	TIRESIL 175MP	TIRESIL 200MP	MODISIL 100
Application 应用	Snow Tires 雪地轮胎	Winter Tires 冬季轮胎	All-Season / Summer Tires (PCR / LTR / Motorcycle Tires) 四季/夏季轮胎 (PCR/LTR/摩托轮胎)	All-Season / Summer Tires (PCR / LTR / TBR / OTR) 四季/夏季轮胎 (PCR/LTR/TBR/OTR)	Ultra-High Performance / EV Tires (UUHP / Racing Tires / Slick Tires / Sport Tires) 超高性能轮胎/EV胎 (UUHP/赛车胎/热熔胎/运动胎)	High-Loading Formulations 高填充配方
Appearance 外观形态	Micro Pearl 微珠状	Micro Pearl 微珠状	Micro Pearl 微珠状	Micro Pearl 微珠状	Micro Pearl 微珠状	Powder / Granule 粉体/块状
Purity as SiO ₂ % 二氧化硅含量 / %	≥97%	≥97%	≥97%	≥97%	≥97%	≥97%
BET Specific Surface Area BET 比表面积/m ² /g	85±15	115±15	160±15	175±15	210±15	100±15
Oil Absorption(DBP) 吸油值(DBP)/mL/100g	200-300	200-300	200-300	200-300	200-300	200-300
pH (5%Slurry) pH值(5%水分散体)/pH	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0	5.0-8.0
Loss on Drying 加热减量/%	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0
Loss on Ignition 灼烧减量/%	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0
Salt Content 盐含量/%	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0
Fe Content 铁含量/mg/kg	≤500	≤500	≤500	≤500	≤500	≤500
Cu Content 铜含量/mg/kg	≤10	≤10	≤10	≤10	≤10	≤10
Mn Content 锰含量/mg/kg	≤40	≤40	≤40	≤40	≤40	≤40

All Above are General Index Ranges
以上为通用指标范围