



Suzorite™ Mica

Controlling Performance in Friction Applications





Optimized Performance with Suzorite Mica!

Cool, Quiet and Wear Ability in Friction Applications

- Brake Linings & Calipers
- Brake Shoe and Disc pads
- Clutch Facings

Typical Properties of Phlogopite Mica	
Specific Gravity (g/cm ³)	2.7
Loss on Ignition (at 1000°C) (wt. %)	<1.0
pH	9.0
Mohs Hardness	3
Thermal Conductivity Perpendicular: BTU/hr/ft ² /°F/ft	0.2
Thermal Conductivity Parallel: BTU/hr/ft ² /°F/ft	3

Why use Suzorite™ Mica?

Suzorite™ mica is phlogopite mica processed in Quebec Canada with high purity and quality standards. Phlogopite mica has inherent vibration and sound damping properties that produce a quieter braking system. Its low thermal conductivity reduces heat buildup to keep components cool. The availability of particle sizes aids in the tailoring of friction properties based on the surface area of the particles. High aspect ratio plates serve to prevent microscopic ruptures and minimizes warping during part manufacturing.

Fine Grades	Average Particle Size (µm) D50 Cilas Laser	Aspect Ratio (Jennings's Factor)	Bulk Density (lb/ft ³)
Suzorite 325-S	35	80:1	14
Suzorite 200-S	55	60:1	14
Suzorite 150-S	150	90:1	14
Coarse Grades	Average Particle Size (µm) D50 Cilas Laser	Aspect Ratio (Jennings's Factor)	Bulk Density (lb/ft ³)
Suzorite 60-S	250*	100:1+	16
Suzorite 60-Z	250*	100:1+	35
Suzorite 40-S	420*	100:1+	14
Suzorite 40-Z	420*	100:1+	45
Surface Treated Grades	Average Particle Size (µm) D50 Cilas Laser	Aspect Ratio (Jennings's Factor)	Bulk Density (lb/ft ³)
Suzorite 350-PO	25	80:1	14
Suzorite 200-PO	55	60:1	14
Suzorite 150-PO	150	90:1	14
Suzorite 60-PO	250*	100:1+	16

*Estimate based on mesh size



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