

# SUZORITE® 200-HK

IMERYS Suzorite® 200-HK phlogopite mica is a dry ground product which is processed in Boucherville, Quebec.

Manufacturers specify phlogopite mica for applications requiring reinforcement and where greater resistance to moisture, heat, light or chemicals is needed. As a platy mineral, Imerys phlogopite mica offers beneficial rheological properties, is chemically inert, and provides the highest thermal stability of any mica. These properties render Imerys phlogopite micas excellent functional minerals for plastic composites, sound deadening, foundry coatings, and many other applications.

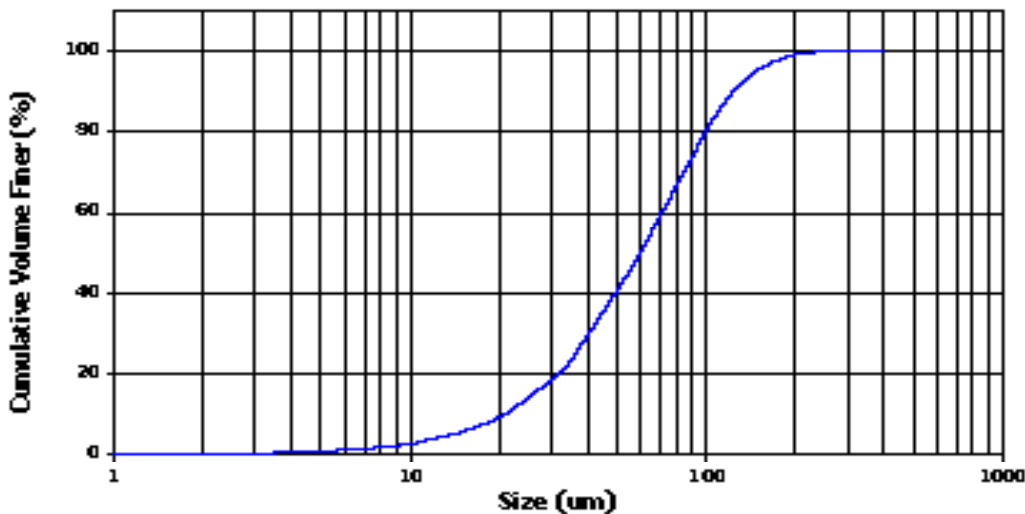
IMERYS Suzorite 200-HK mica has a high aspect ratio and is used in a broad range of applications, including:

- Paint and Coatings: Provides improved barrier properties (MVT), promotes adhesion, reduces cracking and checking.
- Plastic Composites: Substantially increases stiffness and heat resistance, while promoting dimensional stability and improving electrical insulation properties.
- Adhesives and Sealants: Controls shrinkage and reduces cracking.

## TYPICAL PROPERTIES

Source	Boucherville, Quebec, Canada
Median Particle Size (µm)	60
Aspect Ratio (Jennings)	55
Moisture (@100° C) (wt.%)	<0.7
Density:	
Bulk (lbs/ft. <sup>3</sup> )	13
Specific Gravity	2.73
Loss On Ignition (@ 1000°C) (wt.%)	<1.6
pH	9.2
Hardness (Mohs)	3
Refractive Index	1.58
Dielectric Constant	7.5

## TYPICAL PARTICLE SIZE DISTRIBUTION \*



\* By Cilas Laser Light Scattering: Actual test results may vary. Provisional Specifications.

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