

PHLOGOPITE MICA

SUZORITE® 200-S

IMERYS Suzorite® 200-S phlogopite mica is a fine powder 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.

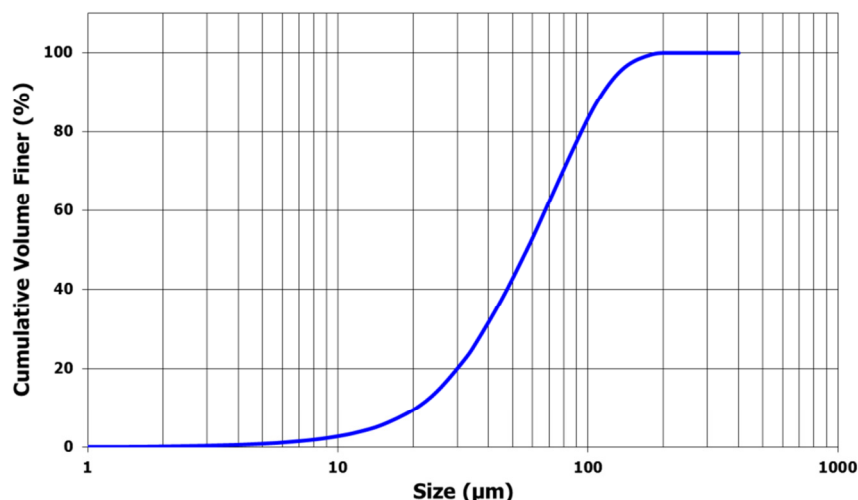
IMERYS Suzorite® 200-S mica has a high aspect ratio and is used in a broad range of applications, including:

- Plastic Composites: Substantially increases stiffness and heat resistance, while promoting dimensional stability and improving electrical insulation properties.
- Sound Damping: A damper for sound vibration transmission and offers weight reduction versus other minerals.
- Paint and Coatings: Provides improved barrier properties, assists in adhesion, and reduces cracking and checking.
- Adhesives and Sealants: Controls shrinkage and reduces cracking.

TYPICAL PROPERTIES

Source	Boucherville, Quebec, Canada
Mean Particle Size (µm)*	55
Aspect Ratio (Jennings)	60
Mesh Size (% Passing)	
-200 Mesh Screen	70
-100 Mesh Screen	99
Moisture (@100° C) (wt. %)	0.5
Density:	
Bulk (lbs./ft. ³)	14
Specific Gravity	2.73
Loss on Ignition (@ 1000°C) (wt. %)	<1.0
pH (100g mineral/ 1L water)	9.0
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.



BNQ is a member of the
National Standards Council



January 2014
© IMERYS 2014
Seventh Edition
All Products are
registered trademarks
of IMERYS

CAS No. 12001-26-2

IMERYS
1732 North First Street
Suite 450
San Jose, CA 95112

General: Tel:
+1 408 643 0260
[www.imerys-
perfmins.com](http://www.imerys-perfmins.com)

IMERYS is a business
name of IMERYS
Pigments, Inc.,
IMERYS Mica Suzorite Inc.
Registered in the USA.

This information is
believed to be correct.
However, this information
does not constitute any
representation, condition
or warranty, nor do we
guarantee results to be
obtained.

All recommendations and
sales are made on the
condition that we will not
be held liable for any
damages resulting from
their use. This provision
may not be changed by
any of our representative



IMERYS