

PHLOGOPITE MICA

SUZORITE® 325-HK

IMERYS Suzorite® 325-HK 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.

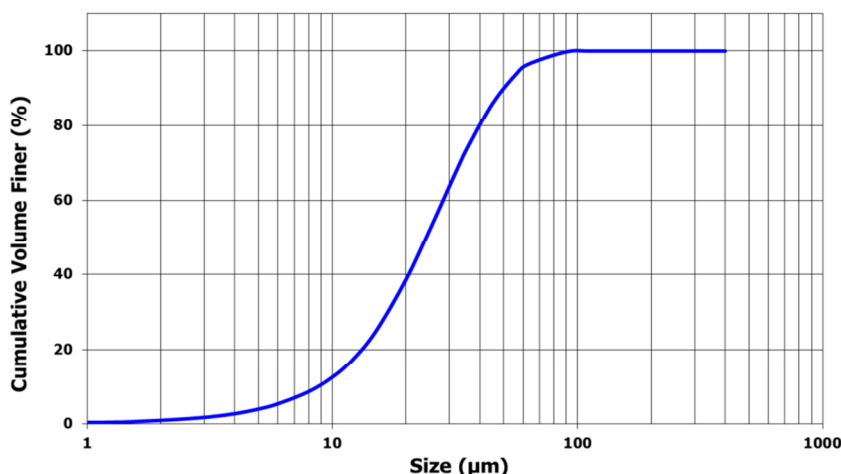
IMERYS Suzorite® 325-HK mica has a high aspect ratio and is used in a broad range of applications, including:

- **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)*	25
Aspect Ratio (Jennings)	80
Mesh Size (% Passing)	
-325 Mesh Screen	92
-200 Mesh Screen	95
Moisture (@100° C) (wt. %)	0.5
Density:	
Bulk (lbs./ft. ³)	13
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.



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