

# SUZORITE® 60-HK

IMERY'S Suzorite® 60-HK phlogopite mica is a high-aspect ratio 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, Imery's phlogopite mica offers beneficial rheological properties, is chemically inert, and provides the highest thermal stability of any mica. These properties render Imery's phlogopite micas excellent functional minerals for plastic composites, sound deadening, foundry coatings, and many other applications.

IMERY'S Suzorite 60-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.
- **Sound Deadening:** Creates barriers to sound vibration transmission and offers weight reduction versus other minerals.

## TYPICAL PROPERTIES

Source Boucherville, Quebec, Canada

| Sieve Analysis (Percent Retained)  | Typical Value |
|------------------------------------|---------------|
| +20                                | <1            |
| -20 / +40                          | <1            |
| -40 / +100                         | 83            |
| -100 / +200                        | 12            |
| -200 / +325                        | 2             |
| -325                               | 2             |
| Moisture (@100° C) (wt.%)          | 0.5           |
| Density:                           |               |
| Bulk (lbs/ft. <sup>3</sup> )       | 14            |
| Specific Gravity                   | 2.73          |
| Loss On Ignition (@ 1000°C) (wt.%) | <1.0          |
| pH                                 | 9.2           |
| Hardness (Mohs)                    | 3             |
| Refractive Index                   | 1.58          |
| Dielectric Constant                | 7.5           |



PROCESSED IN ACCORDANCE WITH  
INTERNATIONAL STANDARDS SPECIFICATIONS



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