

SUZORITE® 40-S

IMERYS Suzorite® 40-S phlogopite mica is a flake & 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 40-S mica has a high aspect ratio and is used in a broad range of applications, including:

- Sound Deadening: Creates barriers to sound vibration transmission and offers weight reduction versus other minerals.
- Stucco and Textured Coatings: Builds texture and viscosity, controls shrinkage, and reduces cracking.
- Adhesives and Sealants: Controls shrinkage and reduces cracking.

TYPICAL PROPERTIES

Source	Boucherville, Quebec, Canada
Sieve Analysis (wt. % Retained)	Typical Value
+ 10	< 1
- 10/ + 20	75
- 20/ + 40	22
- 40	2
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	9.2
Hardness (Mohs)	3
Refractive Index	1.58
Dielectric Constant	7.5



PROCESSEUR MEMBRE DE LA
FEDERATION QUÉBÉCOISE



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