

# SUZORITE® 40-Z

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

- Oil Well Drilling: Promotes circulation of drill and material, fills pores in drilling holes, and reduces voids in circumferentially drilled media.
- Brake Pads: Provides heat resistance for rotor and drum, while being less abrasive than metals. Also reduces brake noise.

## TYPICAL PROPERTIES

Source	Boucherville, Quebec, Canada
Sieve Analysis (% Retained)	Typical Value
+20	< 1
-20 / +40	39
-40 / +70	32
-70	28
Moisture (@100° C) (wt.%)	0.5
Density:	
Bulk (lbs/ft. <sup>3</sup> )	45
Specific Gravity	2.73
Loss On Ignition (@ 1000°C) (wt.%)	<2.0
pH	9.2
Hardness (Mohs)	3
Refractive Index	1.58
Dielectric Constant	7.5



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