

# C-3000™

IMERYS C-3000™ muscovite mica is a micronized product which is mined and processed in Kings Mountain, North Carolina.

Manufacturers specify muscovite mica for applications requiring reinforcement and where greater resistance to moisture, heat, light or chemicals is needed. As a platy mineral, Imerys muscovite mica offers beneficial rheological properties and is chemically inert. Muscovite mica is specified to brighten the tone of colored pigments and to offer decorative effects. These properties render Imerys muscovite micas excellent functional minerals for paint, coatings, joint compounds, plastics, rubber, sound deadening, and many other applications.

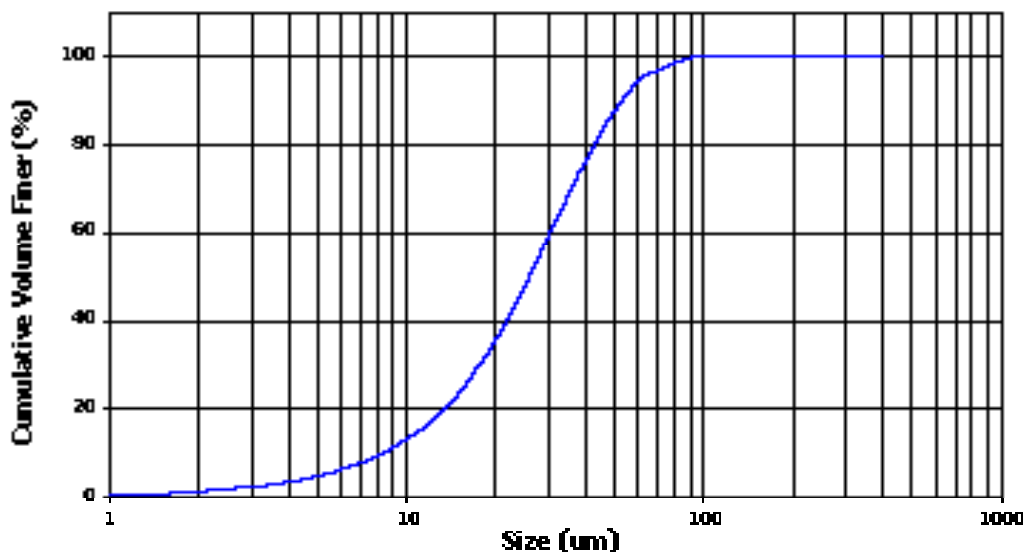
IMERYS C-3000 mica has a high aspect ratio and is used in a broad range of applications, including:

- 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.
- Rubber Mold Release: Effective release aid when used in combination with silicone.

## TYPICAL PROPERTIES

Source	Kings Mountain, NC
Median Particle Size (µm)	28
Aspect Ratio (Jennings)	80
Moisture (@100° C) (wt.%)	0.5
Density:	
Bulk (lbs/ft. <sup>3</sup> )	13
Specific Gravity	2.82
Loss On Ignition (@ 1000°C) (wt.%)	5.5
pH	6.9
Hardness (Mohs)	2.5
Refractive Index	1.58
Dielectric Constant	7.5

## TYPICAL PARTICLE SIZE DISTRIBUTION\*



\* By Cilas Laser Light Scattering: Actual test results may vary. Provisional Specifications.



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