

# WG™ 325

IMERYS WG™ 325 muscovite mica is a wet ground 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.

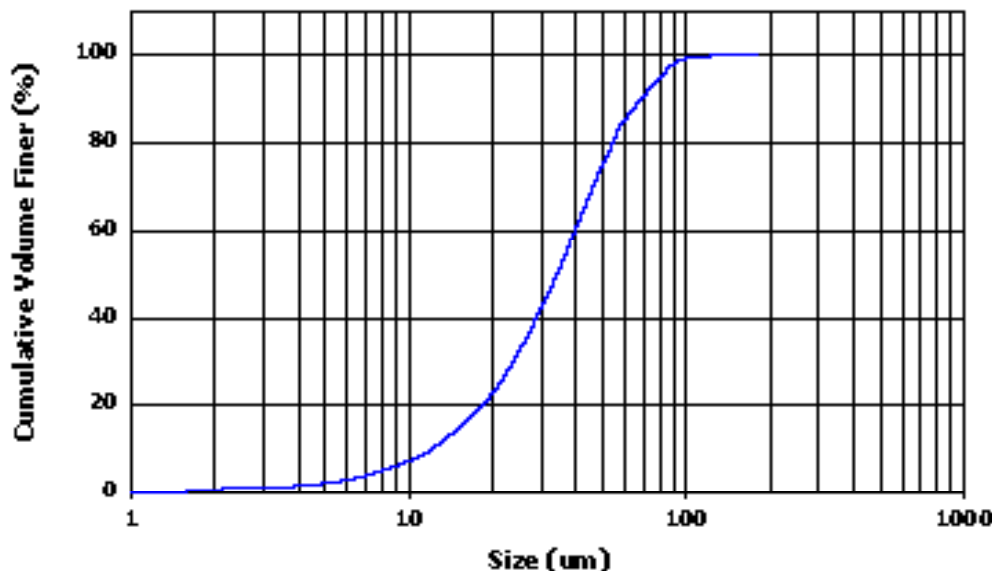
IMERYS WG 325 mica has a high aspect ratio and is used in a broad range of applications, including:

- Paint and Coatings: Provides improved barrier properties (MVT), promotes adhesion, reduces cracking and checking.
- Foundry Coatings: Controls permeability, improves surface quality, and is heat resistant.
- Adhesives and Sealants: Controls shrinkage and reduces cracking.
- Plastic Composites: Substantially increases stiffness and heat resistance, while promoting dimensional stability and improving electrical insulation properties.

## TYPICAL PROPERTIES

Source	Kings Mountain, NC
Median Particle Size (µm)	34
Aspect Ratio (Jennings)	90
Moisture (@100° C) (wt.%)	0.5
Density:	
Bulk (lbs/ft. <sup>3</sup> )	11
Specific Gravity	2.82
Loss On Ignition (@ 1000°C) (wt.%)	5.0
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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