

# WG™ 160

IMERYS WG™ 160 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.

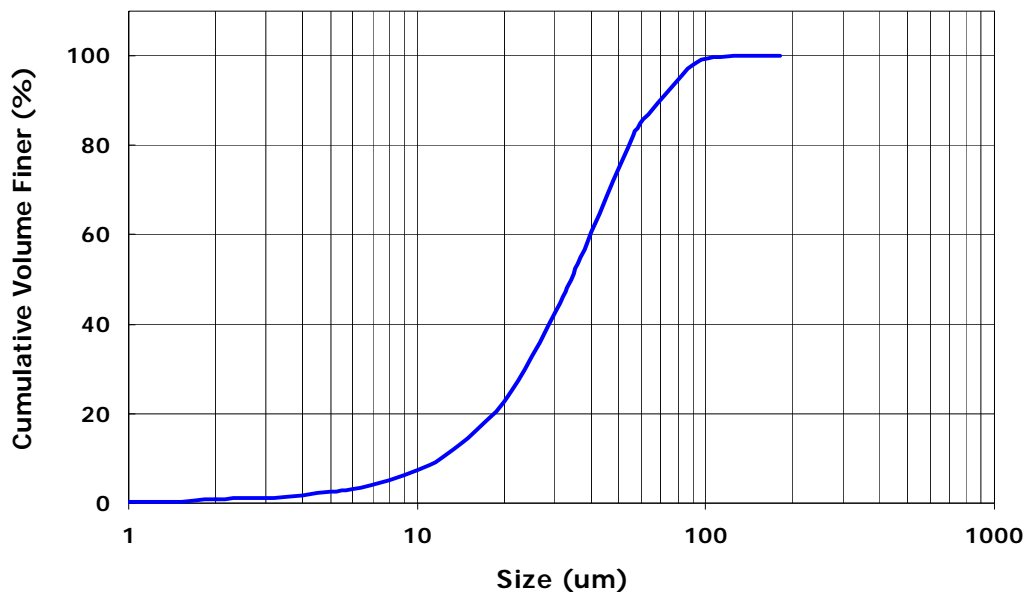
IMERYS WG 160 mica has a high aspect ratio and is used in a broad range of applications, including:

- Foundry Coatings: Controls permeability, improves surface quality, and is heat resistant.
- Adhesives and Sealants: Controls shrinkage and reduces cracking.

## TYPICAL PROPERTIES

Source	Kings Mountain, NC
Median Particle Size (µm)	35
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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**IMERYS**  
100 Mansell Court East  
Suite 300  
Roswell, GA 30076

General:  
Tel: (770) 594.0660  
Fax: (770) 645.3384  
[www.imerys-perfmins.com](http://www.imerys-perfmins.com)

Customer Service:  
Tel: (888) 277.9636  
Fax: (770) 645.3631

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