

SPECIALTY MINERAL PRODUCTS

A Product of New Enterprise Stone & Lime Co., Inc.

MICRO MICATM 105

Micro Mica™ 105 is naturally delaminated, wet processed, ultra-fine mica that offers a unique combination of fine particle size, platy shape, low surface area and low oil absorption. Micro Mica™ 105 is the finest particle size mica available on the market providing good barrier properties, low resin demand and good color. Micro Mica™ 105 is a functional pigment that provides exterior durability, crack resistance, chemical resistance and coverage in interior and exterior architectural and industrial coatings applications. In plastics and rubber, Micro Mica™ 105 features excellent reinforcement and barrier properties, chemical resistance and inertness, excellent electrical properties and good dispersion.

Typical Properties		
200 Mesh Retained, %	0.0	
270 Mesh Retained, %	Trace	
325 Mesh Retained, %	0.1	
Median Particle Size (Microns)	9.0	
Color	White	
L* (CIE 1976)	88.5	
Bulk Density (lbs/ft³)	15.3	
Oil Absorption	35	
Specific Gravity (g/cc)	2.7	

Typical Chemical Composition	
SiO_2	55.1
TiO ₂	1.7
Al_2O_3	28.3
Fe ₂ O ₃	1.5
MgO	0.7
Na ₂ O	0.1
K ₂ O	5.5
LOI	7.0
Moisture (H ₂ O)	<0.5

Applications		
Industrial Coatings Exterior Coatings High Temp Coatings Marine Coatings Anti-Corrosion	Rubber Mold Releases Engineering Plastics Gaskets Sealants, Caulks Foundry Coatings	
Stucco Coatings Architectural Coatings	Asbestos Replacement Asphalt Roofing	

Micro Mica 105 Product Benefits		
Good Color Low Resin Demand Crack Resistance Barrier Protection UV Resistance Durability Chemical Resistance	Ease of Dispersion Increased Coverage Reinforcing Properties	

NOTE: The statements herein are based on data which is believed to be reliable. This data is offered in good faith and typical of normal production. New Enterprise Stone & Lime Co., Inc. makes no warranty or representation, expressed or implied, regarding the accuracy of this data or the use of this product. The user is solely responsible for the use of this product. *Updated 04/25/12*

