Micro Mica 105 and 115G Applications

The Micro Mica products are unique fine particle size micas that can be promoted as a lower cost alternative to more expensive wet-ground micas in various applications. Some of the benefits of micro mica include excellent chemical resistance, excellent barrier properties, good dielectric properties, dimensional stability, heat resistance, corrosion resistance and softness.

These Micro Micas can also be promoted as a replacement for coarse hydrous kaolin in various applications. While the color of these micas is not quite as white as kaolin, they should perform equal or better than kaolin with respect to impact strength, barrier properties, chemical resistance, coefficient of thermal expansion and dielectric properties.

Applications for Micro Mica include:

Thermoplasics
Wood plastic composites
Under the hood parts
Blow molded packaging
Polyolefin film
Anti-block
SMC/BMC
TPE/TPO
Industrial Coatings
Primers
Rubber
Adhesives
Caulks
Sealants

Benefits/Functions of Micro Mica in above applications:

High aspect ratio (20:1 and 30:1) yields excellent barrier properties
Good leveling and flow control in coatings
Film integrity
Excellent chemical resistance
Excellent dielectric properties
Low respirable silica (<0.1%)

The Micro Mica 115G can offset the Mineralite 3X and 4X products that were discontinued as well as coarse hydrous kaolins such as:

Imerys: Hydrite Flat DS,
BASF: ASP 400,
Burgess: No. 40,
KaMin: 35 and 35B.