



MicroKlear 418AL

Nanoalumina modified carnauba wax for maximum scratch resistance with surface slip, clarity and gloss retention. Also useful as an additive in seed coatings

Features and Benefits

- Natural carnauba wax composite reinforced with 300 nm aluminum oxide nanoparticles (Mohs Hardness 9)
- Provides maximum scratch resistance with surface lubricity
- Does not adversely affect clarity or gloss
- Easier-to-disperse nanotechnology in a safe, non-nano powder
- Composite wax/alumina particle is less abrasive on processing equipment compared to free alumina
- Effective replacement for PTFE additives

Composition

Carnauba wax/aluminum oxide

Recommended Addition Levels

1.0-3.0% (on total formula weight)

Systems and Applications

Water based, solvent based and energy curable coatings and inks. Industrial coatings (including plastic, metal and leather); wood coatings; printing inks and OPV's (including flexo and gravure); interior and exterior can and container coatings; coil coatings; seed coatings.

Typical Properties*

	<u>MicroKlear 418AL</u>
Melting Point °C	81 - 86
Density @ 25 °C (g/cc)	1.04
NPIRI Grind	2.0 - 3.5
Maximum Particle Size (µm)	22.00
Mean Particle Size (µm)	6.0 - 8.0

Nov-19

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*The above data reflects typical properties. Please contact Micro Powders for official product specifications. The information contained herein is to the best of our knowledge true and correct and any suggestions are made without guarantee, express or implied, since conditions of use are beyond our control. Micro Powders, Inc. disclaims any liability incurred in connection with the use of any data or suggestions. Nothing contained herein shall be construed as a recommendation to infringe on any existing patents covering any material or its use.