



MicroKlear 418AL

Aluminum oxide 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

- 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/aluminum oxide particle is less abrasive on processing equipment compared to free aluminum oxide
- Effective replacement for PTFE additives

Typical Properties*

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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

Composition

Carnauba wax/aluminum oxide

Renewable Carbon Index

>95%

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.

This product is also available as a water based wax dispersion - Microspersion 418AL-40

Apr-25