Microspersion® 418AL-40

A nonionic water based dispersion of 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

- Convenient, ready-to-use, pourable nonionic wax dispersion
- 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
- Composite wax/aluminum oxide particle is less abrasive on processing equipment compared to free aluminum oxide
- In seed coatings, improves anti-blocking, flow, and abrasion resistance

Dry Wax ID

MicroKlear 418AL

Renewable Carbon Index

>90%

Recommended Addition Levels

2.0-5.0% (on total formula weight)

Systems and Applications

Water based coatings. Industrial coatings (including plastic, metal and leather); architectural trim paints; stains, sealers and varnishes; wood coatings; printing inks and OPV's (including flexo and gravure). Seed and agricultural coatings.

Typical Properties*

	Microspersion 418AL-40
Wax Solids	40%
Viscosity @ 25 °C (cP)	1,000 - 5,000
pH	6.0 - 8.0
Density @ 25 °C (g/cc)	1.02
NPIRI Grind	2.0 - 3.5

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