



## Microspersion® 523AL-50

A nonionic water based dispersion of a highly engineered HDPE/PTFE/aluminum oxide nanocomposite for unsurpassed scratch and scuff resistance

### Features and Benefits

- Convenient, ready-to-use, pourable nonionic wax dispersion
- Maximum scratch and abrasion resistance with slip and lubricity
- HDPE/PTFE composite reinforced with 300 nm aluminum oxide nanoparticles (Mohs Hardness 9.0)
- Easier-to-disperse nanotechnology in a safe, non-nano powder
- Composite particle density maximizes efficiency and minimizes settling
- Extra fine particle size provides excellent gloss retention and film clarity

### Dry Wax ID

Polyfluo 523AL

### Recommended Addition Levels

2.0-5.0% (on total formula weight)

### Systems and Applications

Water based coatings. Industrial coatings (including plastic and metal); stains, sealers and varnishes; wood coatings; printing inks and OPV's (including flexo and gravure); interior and exterior can and container coatings.

### Typical Properties\*

#### Microspersion 523AL-50

<b>Wax Solids</b>	50%
<b>Viscosity @ 25 °C (cP)</b>	5,000 - 9,000
<b>pH</b>	9.0 - 10.5
<b>Density @ 25 °C (g/cc)</b>	1.04
<b>Wax Mean Particle Size (µm)</b>	3.5 - 5.5
<b>NPIRI Grind</b>	1.0 - 2.5

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