

Microspersion® 611AL-50

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

Features and Benefits

- Convenient, ready-to-use, pourable water based wax dispersion
- Maximum scratch and abrasion resistance with slip and lubricity
- HDPE composite reinforced with 300 nm aluminum oxide nanoparticles (Mohs Hardness 9)
- Composite particle density maximizes efficiency and minimizes settling
- Extra fine particle size provides excellent gloss retention and film clarity

Dry Wax ID

MPP-611AL

Recommended Addition Levels

2.0-5.0% (on total formula weight)

Systems and Applications

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

Typical Properties*

| | <u>Microspersion 611AL-50</u> |
|-----------------------------|-------------------------------|
| Wax Mean Particle Size (µm) | 3.5 - 5.5 |
| Density @ 25 °C (g/cc) | 1.00 |
| Wax Solids | 50% |
| Viscosity @ 25 °C (cP) | 3,000 - 8,000 |
| pH | 9.0 - 10.5 |
| NPIRI Grind | 1.0 - 2.0 |

Mar-26