

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*

	<u>Microspersion 523AL-50</u>
Wax Solids	50%
Viscosity @ 25 ° C (cP)	5,000 - 9,000
pH	9.0 - 10.5
Density @ 25 ° C (g/cc)	1.04
Wax Mean Particle Size (µm)	3.5 - 5.5
NPIRI Grind	1.0 - 2.5

PTFE (PFAS) free alternatives: Microspersion 611AL-50, Microspersion 6515AL-40

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