



Micropulsion® 523

A water based dispersion of a unique extra fine composite of polyethylene and PTFE for superior surface lubricity with scratch and abrasion resistance

Features and Benefits

- Convenient, ready-to-use, pourable water based wax dispersion
- Synergistic wax combination that enhances PTFE mobility to the coating surface
- PTFE dramatically enhances abrasion resistance
- High density polyethylene provides improved surface slip
- Extra fine particle size provides excellent gloss retention and film clarity

Dry Wax ID

Polyfluo 523XF

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*

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Wax Solids	40%
Viscosity @ 25 °C (cP)	1,000 - 2,000
pH	9.5 - 10.5
Density @ 25 °C (g/cc)	1.03
Wax Mean Particle Size (µm)	3.5 - 5.5
NPIRI Grind	1.0 - 2.5

PTFE (PFAS) free alternatives: Micropulsion 611AL-50, Micropulsion 1226XF-50

Dec-25