



**MICRO POWDERS, INC.**  
High Performance Wax Additives

## Printing Inks & OPV's

Printed coatings and inks perform most effectively when properly formulated with wax additives from Micro Powders that improve slip, rub, scratch, and block resistance. From flexo to gravure to offset, we offer the most comprehensive line of additives for both high and low gloss printed surfaces.

## Recommended Products Typical Properties

(Selector Guide on reverse side)

Product	Melt Point (°C)	Density (g/cc@25°C)	Mean Particle Size (µm)	Max. Particle Size (µm)
AquaBead R331E	80	1.00	Sub-micron aqueous emulsion	
AquaBead 525E	60	1.00	Sub-micron aqueous emulsion	
AquaPoly 215	105 - 111	0.94	9.0 - 11.0	31.00
AquaPoly 250	117 - 123	0.97	8.0 - 10.0	31.00
AquaPolyfluo 411	117 - 123	1.02	6.0 - 8.0	22.00
AquaPolysilk 19	102 - 118	1.02	9.0 - 11.0	31.00
MicroKlear 116	107 - 113	0.98	4.0 - 5.25	15.56
MicroKlear 418AL	81 - 86	1.04	6.0 - 8.0	22.00
MicroMatte 1213 UVW	150 - 156	1.07	5.0 - 7.5	22.00
Microspersion 930	110 - 140	0.98	N/A	N/A
MicroTouch Series	N/A	1.05	Available from 5 µm - 35 µm mean	
MicroTouch 875XF	N/A	1.03	3.0 - 9.0	31.00
MP-22XF	102 - 106	0.93	5.0 - 6.0	22.00
MPP-230F	110 - 118	0.94	10.0 - 12.0	31.00
MPP-611AL	109 - 115	0.99	3.5 - 5.5	15.56
MPP-620VF	114 - 116	0.96	5.0 - 7.0	22.00
NatureFine R331	77 - 82	0.97	6.0 - 10.0	31.00
NatureMatte 31	170 - 180	1.25	7.5 - 10.5	31.00
NatureTex Series	>230	1.30	Range available (200 mesh - 325 mesh)	
Polyfluo 150	113 - 116	1.04	3.5 - 5.5	15.56
Polyfluo 190	121 - 132	0.98	9.0 - 12.0	31.00
Polyfluo 523AL	113 - 117	1.09	3.5 - 5.5	15.56
Polyfluo 523XF	113 - 117	1.04	3.5 - 5.5	15.56
PolyGlide 1226XF	109 - 115	0.99	3.5 - 5.5	15.56
Polysilk 14	96 - 118	1.02	7.5 - 9.5	31.00
PropylMatte 31	160 - 170	0.89	8.0 - 12.0	31.00
PropylMatte 31HD	160 - 170	1.07	8.0 - 12.0	31.00

# Printing Inks & OPV's

## Selector Guide

● Extremely Effective  
 ◐ Very Effective  
 ○ Effective

◆ Available as a Waterborne Dispersion

Product	Description	Suggested Use Level	Recommended System Type*	Rub Resistance	Slip and Lubricity	Block Resistance	Water Resistance	Gloss Retention	Clarity	Matting and Gloss Control	Soft Touch/Silky Feel	Tape Release	Texture	Heat Resistance	MVTR	Natural/Naturally Derived
AquaBead R331E	Rice bran wax emulsion	2.0 -10.0%	W	◐	●	◐	●	●	◐						●	●
AquaBead 525E	Paraffin/carnauba wax emulsion	2.0 - 10.0%	W				●	●							●	
◆ AquaPoly 215	Oxidized polyethylene	1.0 - 2.0%	W	◐	◐	◐										
◆ AquaPoly 250	Modified oxidized polyethylene	1.0 - 2.0%	W	●	◐	◐										
◆ AquaPolyfluo 411	Modified oxidized polyethylene/PTFE	0.5 - 1.0%	W	●	●	●					◐			○		
◆ AquaPolysilk 19	Modified oxidized polyethylene/PTFE	0.5 - 1.0%	W	◐	◐	●					◐	◐				
MicroKlear 116	Polyethylene/Carnauba wax	0.5 - 2.0%	W,S,O	○	◐	○		◐	◐							
◆ MicroKlear 418AL	Carnauba/Alumina	1.0 - 3.0%	W,S,O	●	◐	○		◐	◐			○				●
◆ MicroMatte 1213 UVW	Densified modified polypropylene	2.0 - 5.0%	W,S			◐				◐						
Microspersion 930	Nonionic wax dispersion/Emulsion	1.0 - 3.0%	W	◐	◐	◐		◐	◐							
MicroTouch Series	Aliphatic polyurethane	2.0 - 10.0%	W,S,O								●		○			
MicroTouch 875XF	Modified polyurethane	2.0 - 10.0%	W,S,O		○	○				●	●		○			◐
MP-22XF	Fischer-Tropsch wax	1.0 - 3.0%	W,S,O	◐	○											◐
MPP-230F	High density polyethylene	1.0 - 2.5%	W,S,O	○	○	○										
◆ MPP-611AL	Polyethylene/Alumina	0.5 - 1.5%	W,S,O	●	◐	○										
◆ MPP-620VF	High density polyethylene	1.0 - 2.0%	W,S,O	◐	◐	○										
◆ NatureFine R331	Rice bran wax	1.0 - 3.0%	W,S	◐	●	○				○						●
◆ NatureMatte 31	Poly(hydroxybutyrate-co-hydroxyvalerate)	2.0 - 5.0%	W,S			◐				●	○			◐		●
NatureTex Series	Cellulose acetate	2.0 - 5.0%	W			◐				●			●	◐		●
◆ Polyfluo 150	Polyethylene/PTFE	0.4 - 1.0%	W,S	◐	◐	◐										
◆ Polyfluo 190	Polyethylene/PTFE	0.4 - 1.0%	W,S,O	●	○	●										
◆ Polyfluo 523AL	Polyethylene/PTFE/Alumina	0.4 - 1.0%	W,S,O	●	●	●										
◆ Polyfluo 523XF	Polyethylene/PTFE	0.4 - 1.0%	W,S,O	◐	●	●										
◆ PolyGlide 1226XF	HDPE/Ceramic	0.5 - 1.5%	W,S,O	●	●	◐					◐	○		○		
Polysilk 14	Modified polyethylene/PTFE	0.4 - 1.0%	W,S,O	◐	◐	●					◐	●				
PropylMatte 31	Polypropylene	1.0 - 4.0%	W,S,O			○				●						
◆ PropylMatte 31HD	Densified polypropylene	1.0 - 4.0%	S,O			○				●						

\* W = Water, S = Solvent, O = Oil



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