



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 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
Aquawax 214VF	98 - 102	0.96	5.0 - 7.5	22.00
Fluo 400XF	>316	2.20	2.0 - 4.0	15.56
Fluo 400SM	>316	2.20	Primary particle size < 0.2 µm	
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 526E	140	1.00	Sub-micron aqueous emulsion	
Microspersion 91E	160	0.99	Sub-micron aqueous emulsion	
Microspersion 930	110 - 140	0.98	N/A	N/A
MicroTouch Series	N/A	1.05	Available from 5 µm - 35 µm mean	
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
MPP-635VF	123 - 125	0.97	6.0 - 8.0	22.00
NatureFine H325	82 - 87	0.99	8.0 - 12.0	31.00
NatureFine R331	77 - 82	0.96	6.0 - 10.0	31.00
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 523XF	113 - 117	1.04	3.5 - 5.5	15.56
Polyfluo 523AL	113 - 117	1.09	3.5 - 5.5	15.56
Polysilk 14	96 - 118	1.02	7.5 - 9.5	31.00
Polysilk 600	96 - 109	1.02	5.0 - 7.0	22.00
PropylMatte 31	160 - 170	0.89	8.0 - 12.0	31.00
PropylMatte 31HD	160 - 170	1.07	8.0 - 12.0	31.00
PropylMatte 31SA	160 - 170	1.02	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*	Water Resistance	Gloss Retention	Clarity	Matting and Gloss Control	Soft Touch/Silky Feel	Tape Release	Intercoat Adhesion	Heat Resistance	MVTR	Biodegradable
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	●	●					●			
◆ AquaPolyflu 411	Modified oxidized polyethylene/PTFE	0.5 - 1.0%	W	●	●			●			○		
◆ AquaPolysilk 19	Modified oxidized polyethylene/PTFE	0.5 - 1.0%	W	●	●			●	●				
Aquawax 214VF	Oxidized Fischer-Tropsch wax	1.0 - 2.0%	W	○	○								
◆ Flu 400XF	PTFE	0.5 - 2.0%	W,S,O	○					○		●		
◆ Flu 400SM	PTFE	0.5 - 1.5%	W,S,O	○	●	●			○		●		
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 526E	Polyethylene wax emulsion	2.0 - 5.0%	W	○	○					●			
Microspersion 91E	Nonionic polypropylene wax emulsion	2.0 - 5.0%	W							●			
Microspersion 930	Nonionic wax dispersion/Emulsion	1.0 - 3.0%	W	●	●					●			
MicroTouch Series	Aliphatic 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	●	●					●			
MPP-635VF	High density polyethylene	0.5 - 2.0%	W,S,O	●	●					●			
NatureFine H325	Hydrogenated castor oil	1.0 - 3.0%	W,S	●	●			○					●
NatureFine R331	Rice bran wax	1.0 - 3.0%	W,S	●	●			○					●
◆ Polyflu 150	Polyethylene/PTFE	0.4 - 1.0%	W,S,O	●	○								
◆ Polyflu 190	Polyethylene/PTFE	0.4 - 1.0%	W,S,O	●	○								
◆ Polyflu 523XF	Polyethylene/PTFE	0.4 - 1.0%	W,S,O	●	●					●			
◆ Polyflu 523AL	Polyethylene/PTFE/Alumina	0.4 - 1.0%	W,S,O	●	●					●			
Polysilk 14	Modified polyethylene/PTFE	0.4 - 1.0%	W,S,O	●	●			●	●				
Polysilk 600	Modified polyethylene/PTFE	0.4 - 1.0%	W,S,O	●	●			●	●				
PropylMatte 31	Polypropylene	1.0 - 4.0%	S,O				●						
◆ PropylMatte 31HD	Densified polypropylene	1.0 - 4.0%	W				●						
◆ PropylMatte 31SA	Densified polypropylene/PTFE	1.0 - 4.0%	W,S		●	●	●				○		

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



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