



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	N/A	1.00	N/A	N/A
AquaMatte 22	135 - 140	0.99	6.0 - 8.0	22.00
AquaPoly 215	105 - 111	0.95	9.0 - 11.0	31.00
AquaPoly 250	117 - 123	0.98	8.0 - 10.0	31.00
AquaPolyfluo 411	117 - 123	1.10	6.0 - 8.0	22.00
AquaPolysilk 19	102 - 118	1.06	9.0 - 11.0	31.00
Aquawax 214VF	104 - 107	0.96	5.0 - 7.5	22.00
Fluo HTI-2	>316	2.20	3.0 - 5.0	15.56
Fluo X-1406	>316	2.20	Primary particle size < 0.3 µm	
MicroKlear 116	107 - 113	0.97	4.0 - 5.25	15.56
MicroKlear 709	119 - 124	1.10	4.0 - 6.0	22.00
MicroMatte 1213 UVW	150 - 156	1.11	5.0 - 7.5	22.00
Microspersion 526E	N/A	1.00	N/A	N/A
Microspersion 91E	N/A	1.00	N/A	N/A
Microspersion 930	N/A	0.98	N/A	N/A
MicroTouch Series	N/A	1.05	Available from 5 µm - 35 µm mean	
MP-22XF	102 - 106	0.94	5.0 - 6.0	22.00
MPP-230F	110 - 118	0.94	10.0 - 12.0	31.00
MPP-620VF	114 - 116	0.95	5.0 - 7.0	22.00
MPP-635VF	123 - 125	0.96	6.0 - 8.0	22.00
Polyfluo 150	113 - 116	1.15	3.5 - 5.5	15.56
Polyfluo 190	121 - 132	0.99	9.0 - 12.0	31.00
Polyfluo 400XF	108 - 115	1.35	3.0 - 5.0	11.00
Polyfluo 523XF	113 - 117	1.26	3.5 - 5.5	15.56
Polysilk 14	96 - 118	1.04	7.5 - 9.5	31.00
Polysilk 600	96 - 109	1.08	5.0 - 7.0	22.00
PropylMatte 31	160 - 170	0.86	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
PropylMatte 500	142 - 148	0.90	5.0 - 8.0	22.00

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	Intercoat Adhesion	Heat Resistance	MVTR
AquaBead 525E	Paraffin/carnauba wax emulsion	2.0-10.0%	W	●	●	●	●	●							●
◆ AquaMatte 22	Oxidized polyethylene	2.0-5.0%	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	○	○	○									
Fluo HTI-2	Polytetrafluoroethylene (PTFE)	0.5-1.0%	W,S,O	○								○		●	
◆ Fluo X-1406	Submicron spherical PTFE	0.25-1.0%	W,S,O	○	●			●	●			○		●	
MicroKlear 116	Polyethylene/carnauba wax	0.5-2.0%	W,S,O	○	●	○		●	●						
MicroKlear 709	PTFE modified polyethylene/carnauba wax	0.5-2.0%	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-620VF	High density polyethylene	1.0-2.0%	W,S,O	●	●	○								●	
◆ MPP-635VF	High density polyethylene	0.5-2.0%	W,S,O	●	●	●								●	
◆ Polyflu 150	Polyethylene/PTFE	0.4-1.0%	W,S,O	●	●	●									
◆ Polyflu 190	Polyethylene/PTFE	0.4-1.0%	W,S,O	●	○	●									
Polyflu 400XF	Polyethylene/PTFE	0.4-1.0%	W,S,O	○	●	○								●	
◆ Polyflu 523XF	Polyethylene/PTFE	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		●	●				●				○	
PropylMatte 500	Polypropylene	1.0-4.0%	S,O			○			●	●					

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



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